

NSK PROFESSIONAL PRODUCT 2024/25

PROFESSIONAL PRODUCT
2024 / 25

Create it 

NSK

AIR TURBINES

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Ti-Max X450 / Pana-Max2

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Create it 

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

Create_

innovation

precision

quality

professionalism

confidence

partnership

hospitality

sustainability

smile

tomorrow

Made In KANUMA

"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

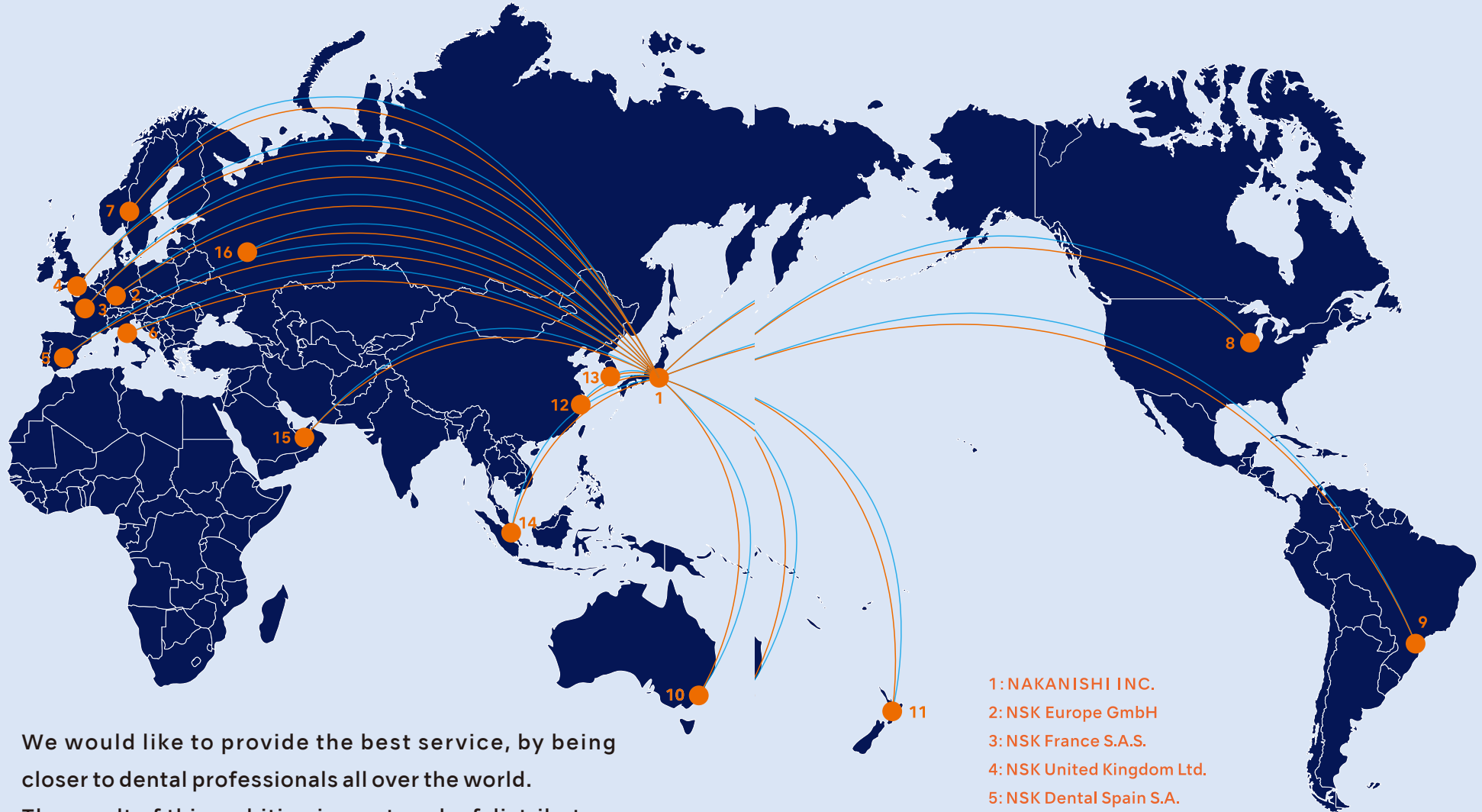
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



Global Network



We would like to provide the best service, by being closer to dental professionals all over the world. The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries. Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.
- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co.,Ltd.
- 13: NSK Dental Korea Co.,Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

Pioneer of Infection Control

= **DualDefence™**

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent cross infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

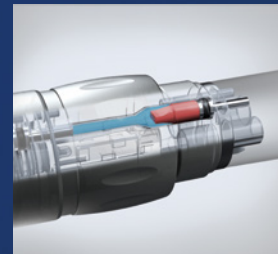


CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

ANTI-RETRACTION VALVE



The Anti-Retraction Valve system prevents blood and debris from entering the water lines.

The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil **97%**

Renewable energy usage* **100%**

Waste resource recovery rate **99.1%**

* Total power of headquarters facility.



NSK Advantages

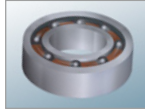
NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.



NSK Ceramic Bearings

Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced, the efficiency and durability is significantly increased.



NSK Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.



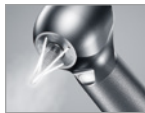
NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.



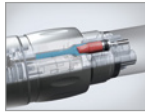
NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.



NSK Non-Retraction Valve

A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.



NSK Ergonomic Comfort Grip

NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.



NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



NSK Scratchless DURACOAT

DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.



Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.



Thermo-disinfector Ready

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfector.



■ Please quote both the Model & Order Code.

Couplings

For NSK



LUX Coupling



- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LEDIII	P1001601

For KaVo®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

For Sirona®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

For NSK



Midwest 4 hole

- Stainless Steel Body
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

For NSK



Borden 2/3 hole

- Stainless Steel Body
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
—	FM-CL-B2/B3	P432051

NSK Coupling System

	Ti-Max Z	S-Max M	S-Max Pico	Ti-Max X450	Pana-Max2*	Ti-Max S970	PhoPhy-Mate r180*	Perio-Mate*
NSK LED PTL-CL-LED PTL-CL-LEDIII 	○	○	○	○	—	○	○	○
NSK Non-Optic FM-CL-M4 	—	○	—	—	—	○	○	○
KaVo® LED KCL-LED 	○	○	○	○	—	○	○	○
Sirona® LED SCL-LED 	○	○	○	○	—	○	○	○
W&H® 	○	○	○	○	—	—	○	○
Bien-Air® 	○	○	—	○	—	—	○	○
Midwest 4 hole (Direct-connect / Screw-on Type) 	—	—	—	—	○	—	○	○
Borden 2 hole (Direct-connect / Screw-on Type) 	—	—	—	—	○	—	○	○

*Handpiece will operate without optic illumination

AIR TURBINES





Grade	PREMIUM	ADVANCED	SPECIAL	SPECIAL	BASIC	BASIC
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless
DURAGRIP	●					
DURACOAT			●			
Quick Stop	●					
Ceramic Bearings	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●		
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Single
Microfilter	●					
Ergo Grip	●	●	●	●	●	●

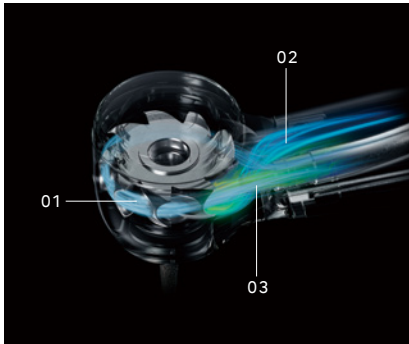
Ti-Max Z

Premium



DYNAMIC POWER SYSTEM

Equipped with a new system, the "DYNAMIC POWER SYSTEM" that provides a revolutionary cutting feel. The enlarged exhaust port, optimized nozzle structure, and enlarged rotor chamber achieve the highest rotational power in its category.



01. Expanded Rotor Blade Surface

The air exposure area is twice that of conventional models. The large chamber surface takes in air with no waste to achieve high torque.

02. Expanded Exhaust Groove

The enlarged exhaust groove quickly discharges air received by the chamber. A smooth exhaust improves torque in the low rpm range.

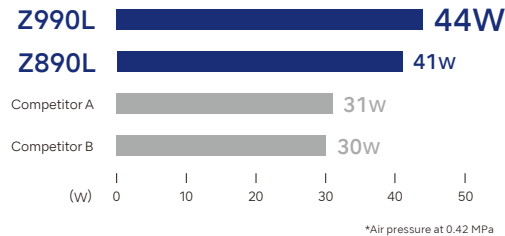
03. Extended Cylindrical Nozzle

The optimized nozzle structure reduces air. Air power is converted into highly efficient rotational power.

The best technologies are combined to bring outstanding power

The "DYNAMIC POWER SYSTEM" has been developed using the latest fluid simulation Software. This enables efficient conversion of air into power to achieve a significant increase in power from 26W to 44W*. Packed with NSK's technologies, such as the fusion of unprecedented high torque and power, head angle, and grip, the new model Z990L is NSK's flagship turbine. *Z990L

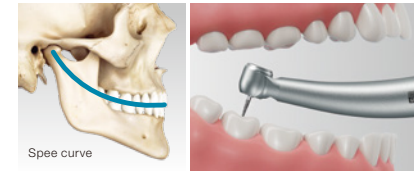
Power comparison with competitive products (in-house research)*



USABILITY

Lightweight titanium body and 100° angle head

The internal structure has been revised and the weight has been reduced by 16% compared to the previous model (the lightest metal exterior in major competitive comparisons). Considering the physiological curves of the oral cavity (Curve of Spee and Curve of Wilson), the 100° angled head enables easier access and high-torque cutting for efficient treatment in the oral cavity.



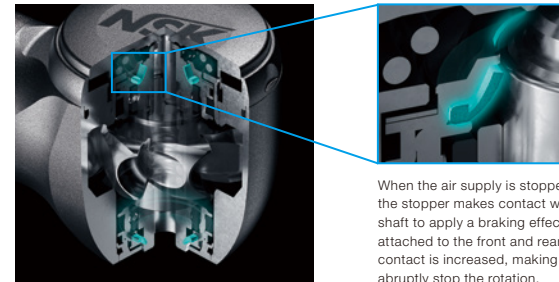
Comparison with previous model



SAFETY & INFECTION CONTROL

Quick Stop

The Quick-stop function, which stops high-speed rotation in approximately 1 second, is mounted on the front and back of the head. The two Quick-stop functions allow for a abrupt stop to prevent inertial rotation and to reduce the risk of intraoral entrapment and suck back, thus ensuring an extremely safe treatment. *The two Quick-stop functions only Z990L / Z890L.



When the air supply is stopped, the rubber of the stopper makes contact with the rotating shaft to apply a braking effect. With stoppers attached to the front and rear of the head, contact is increased, making it possible to abruptly stop the rotation.

TECHNOLOGY & FUNCTION

QUICK STOP FUNCTION

The two Quick-stop functions allow for a abrupt stop to prevent inertial rotation and to reduce the risk of intraoral entrapment and suck back, thus ensuring an extremely safe treatment.

DYNAMIC POWER SYSTEM

The high power of 44W and the "DYNAMIC POWER SYSTEM" + open cartridge maintain unprecedented cutting power. In addition, the unit is durable enough to withstand air pressure of 0.42 MPa.

DURAGRIP

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

Microfilter

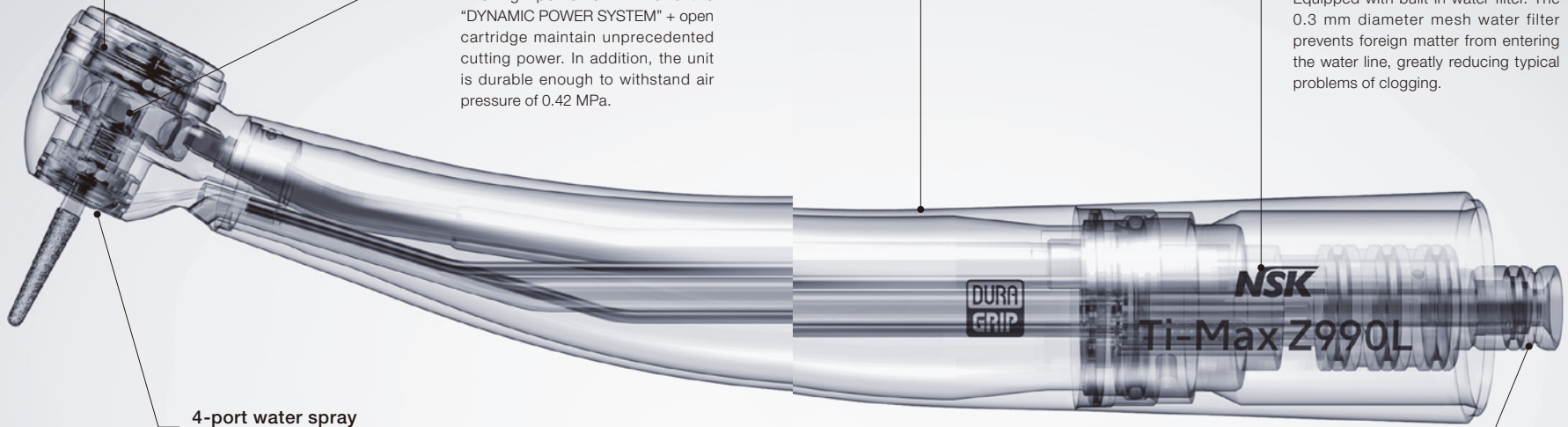
Equipped with built-in water filter. The 0.3 mm diameter mesh water filter prevents foreign matter from entering the water line, greatly reducing typical problems of clogging.

4-port water spray with expanded cooling range

Efficiently cools the entire bur without impairing visibility. Water injected from two directions allows for proper cooling of burs of varying lengths.

Compatible with Other Couplings

The line-up features models that are compatible with most coupling systems currently available in the market.



Ti-Max Z Premium



- Titanium Body
- DURAGRIP
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Quick Stop
- Microfilter*
- DYNAMIC POWER SYSTEM*
- DURAPOWERC HUCK*
- Simple Cartridge Change
- *Only Z990L / Z890L



<p>Micro Head Power : 20 W Speed : 380,000-450,000 min⁻¹ Head Size : ø9.0 x H 10.8 mm</p>	<p>Miniature Head Power : 41 W Speed : 320,000-400,000 min⁻¹ Head Size : ø10.6 x H 10.8 mm</p>	<p>Standard Head Power : 44 W Speed : 280,000-360,000 min⁻¹ Head Size : ø12.1 x H 12.7 mm</p>
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NSK Couplings	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro	PA2357
	Miniature	●	Z890L	PA23720001
	Standard	●	Z990L	PA23730001
KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro KL	PA2358
	Miniature	●	Z890KL	PA23740001
	Standard	●	Z990KL	PA23750001
Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro SL	PA2359
	Miniature	●	Z890SL	PA23760001
	Standard	●	Z990SL	PA23770001
W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z890WL*	PA23860002
	Standard	●	Z990WL*	PA23870002
Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z890BL*	PA23840002
	Standard	●	Z990BL*	PA23850002

S-Max M

Advanced



MORE POWERFUL

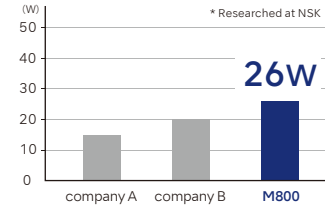


The rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the 26W high power rotor.

Power compared with the same handpiece class offered by other manufacturers.



Power [W] at 0.3MPa

DURABILITY

All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

USABILITY

Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

Quattro spray

Sprays more effectively over the entire bur for better cooling.

Push Button Chuck

The bur is released easily with the responsive and tactile push button.

S-Max M Advanced



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



Miniature Head
 Power : 23 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm

Standard Head
 Power : 26 W
 Speed : 325,000-430,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm



NSK Couplings	Head	Optic	MODEL	ORDER CODE
Miniature	●	●	M800L	P1253
		—	M800	P1255
Standard	●	●	M900L	P1254
		—	M900	P1256

KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
Miniature	●	●	M800KL	P1257
		—	M900K	P1259
Standard	●	●	M900KL	P1258
		—	M900K	P1259

Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
Miniature	●	●	M800SL	P1261
		—	M900SL	P1262
Standard	●	●	M900SL	P1262
		—	M900W	P1287

W&H® Coupling	Head	Optic	MODEL	ORDER CODE
Miniature	●	●	M800WL*	P1265
		—	M900W	P1287
Standard	●	●	M900WL*	P1266
		—	M900W	P1287

Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
Miniature	●	●	M800BL*	P1263
		—	M900W	P1287
Standard	●	●	M900BL*	P1264
		—	M900W	P1287

*Compatible Turbines with Integral LED



S-Max pico

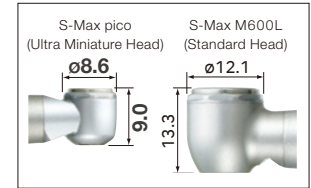
Special



The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

Comparison of head sizes



Improve The Accuracy of Operation with The Microscope



The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

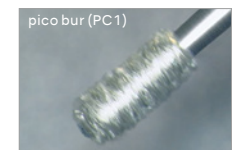
In combination with mirror technique



Size Specifications of The S-Max pico Series

Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision
(Rotational speed : 400,000 min⁻¹)

S-Max pico Special

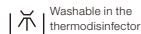


- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Single Spray



Power : 9 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø8.6 x H 9.0 mm
 • For short shank burs / ultra short shank burs

NSK Couplings	Optic	MODEL	ORDER CODE
	●	S-Max pico	P1140
KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	S-Max pico KL	P1142
Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	S-Max pico SL	P1143
W&H® Coupling	Optic	MODEL	ORDER CODE
	●	S-Max pico WLED*	P1145



*Compatible Turbines with Integral LED



pico bur



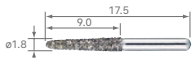
MODEL	ORDER CODE
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PC1 **Y1001817**
 • Pack of 3



MODEL	ORDER CODE
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PC2 **Y1001818**
 • Pack of 3



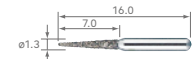
MODEL	ORDER CODE
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PC3 **Y1001819**
 • Pack of 3



MODEL	ORDER CODE
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PC3ff **Y1002019**
 • Extra fine bur • Pack of 3



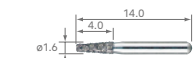
MODEL	ORDER CODE
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PC4 **Y1001820**
 • Pack of 3



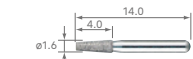
MODEL	ORDER CODE
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PC4ff **Y1002020**
 • Extra fine bur • Pack of 3



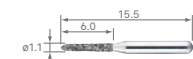
MODEL	ORDER CODE
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PC5 **Y1001821**
 • Pack of 3



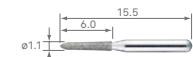
MODEL	ORDER CODE
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PC5ff **Y1002021**
 • Extra fine bur • Pack of 3



MODEL	ORDER CODE
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PC6 **Y1001822**
 • Pack of 3



MODEL	ORDER CODE
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PC6ff **Y1002022**
 • Extra fine bur • Pack of 3

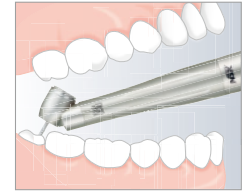


Ti-Max X450

Special

Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

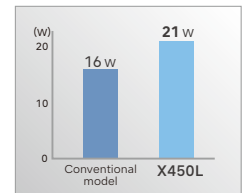


Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

A Potent 21W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



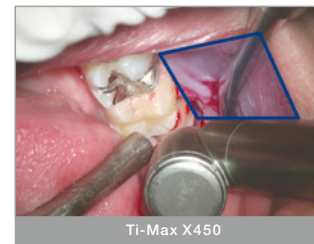
Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



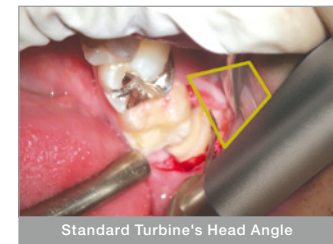
The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

Ti-Max X450 Special



- Titanium Body with Scratch Resistant DURACOAT
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Triple Water Jet



Power : 21 W
 : 18 W (except X450L)
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø11.2 x H 13.5 mm
 • For FG extra-long burs (25 mm) only

NSK Couplings	Optic	MODEL	ORDER CODE
	●	X450L	P1078
KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	X450KL	P1079
Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	X450SL	P1080
W&H® Coupling	Optic	MODEL	ORDER CODE
	●	X450WLED*	P1082
Bien-Air® Coupling	Optic	MODEL	ORDER CODE
	●	X450BLED*	P1081

Pana-Max PLUS2 Basic



- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Anti-Retraction Valve
- Air Pressure Regulating Valve



Miniature Head
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm



Standard Head
 Speed : 325,000-410,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm

Midwest 4 hole
 (Direct-connect / Screw-on Type)



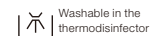
Head	MODEL	ORDER CODE
Miniature	PAP2-MU M4	PA2362
Standard	PAP2-SU M4	PA2363



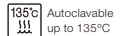
Washable in the thermoisinfecteur



Autoclavable up to 135°C



Washable in the thermoisinfecteur



Autoclavable up to 135°C



Pana-Max2

Basic

Unsurpassed Durability

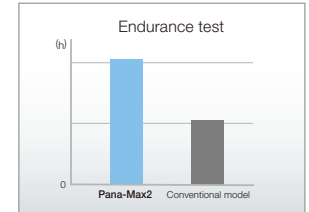
Built to Excel in Clinical Situations.
Featuring a Scratch-resistant
Stainless Steel Body and Sturdier Turbine Head.

Thanks to its uniquely designed shock-resistant head design, Pana-Max2's turbine rotor won't get damaged even if dropped from two meters onto a concrete floor.



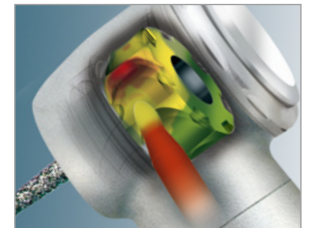
Exceptional Longevity.

Newly designed bearing structure with greater wear resistants and extended lifespan.



30% Power Boost

Pana-Max2 is dramatically more powerful than its predecessors thanks to the combination of NSK's air turbine simulation technologies. Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class. That concentrated power, along with the bur's high rotational accuracy, creates a synergistic effect that ensures fast, precise treatments.



Pana-Max2 Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- NSK Ultra Push Chuck
- Single Spray
- Simple Cartridge Change
- Anti-Retraction Valve
- Air Pressure Regulating Valve



Speed : 350,000-450,000 min⁻¹
 Head Size : ø11.2 x H 13.4 mm

Midwest 4 hole
 (Direct-connect / Screw-on Type)

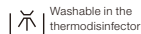


MODEL	ORDER CODE
Pana-Max2 M4	P1154

Borden 2 hole
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
Pana-Max2 B2	P1155



Washable in the thermodisinfectior



Autoclavable up to 135°C



Washable in the thermodisinfectior



Autoclavable up to 135°C



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	SPECIAL	ADVANCED	BASIC
Body	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●	●		
Anti Heat System	●	●	●		
Ceramic Bearings	●	●	●	●	
Cellular Glass Optics	●	●	●	●	
Clean Head System	●	●	●	●	●
Push Button Chuck	●	●	●	●	●
Water Spray	Quattro	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●			
Microfilter	●	●	●		
Ergo Grip	●	●	●	●	●

Ti-Max Z

Premium

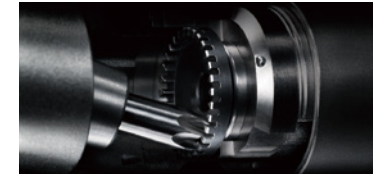




ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



Anti Heat System (Z95L, Z85L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

Two-Way Spray Function (Z95L, Z45L)

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.

DURABLE

A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

COMFORT

The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

OUTSTANDING OPERABILITY

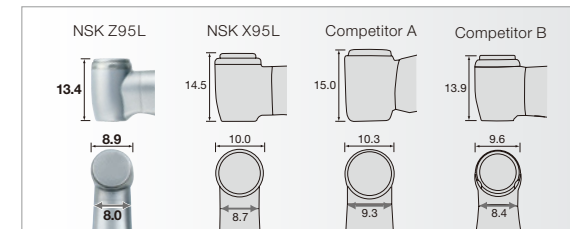
The Smallest Head*

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

*Compare to our previous models and products that are manufactured by other manufacturers.

The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



TECHNOLOGY & FUNCTION

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.
(With Z95L/Z85L)

DURAGRIP

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

Microfilter

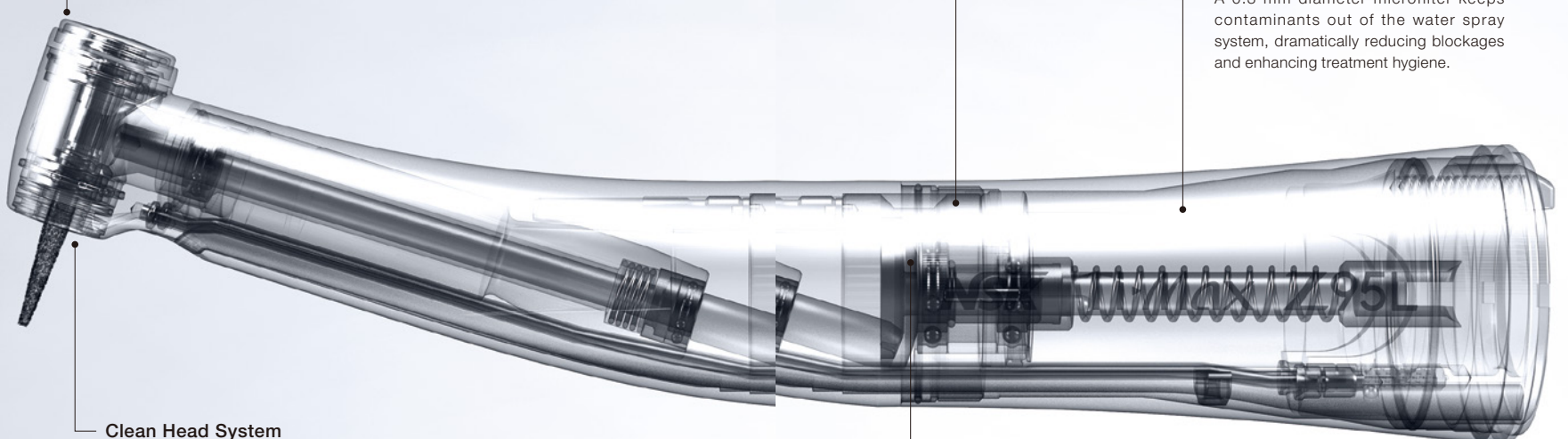
A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

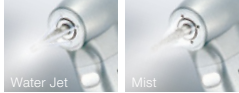
Amazing Silence and Minimal Vibration

The marriage of micro-precision parts and gears has lowered noise and vibration even more.



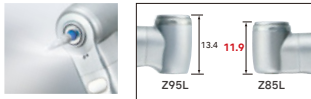
Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Excludes Z24L)
- Microfilter



- Quattro Spray (Two Way Spray Function)
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034



Head size comparison
Z85L offering extraordinary
visibility and accessibility.



- Single Spray
- Miniature Head
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)* *Short Shank burs only
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	C1062



- Single Spray
- Max Speed : 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z25L	C1038



- Single Spray
- Miniature Head
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z24L	C1126



- Single Spray
- Max Speed: 10,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
4:1 Reduction	●	Z15L	C1039



- Single Spray
- Max Speed: 2,500 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
16:1 Reduction	●	Z10L	C1040

Ti-Max Z45L

Special



45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



Sectioning a Mandibular Left Impacted Third Molar



Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head • Cellular Glass Optics
- Ceramic Bearings • Clean Head System
- Push Button Chuck
- Quattro Spray (Two Way Spray Function)
- Microfilter • Anti Heat System
- For FG burs (ø1.6) • Max Speed : 168,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064



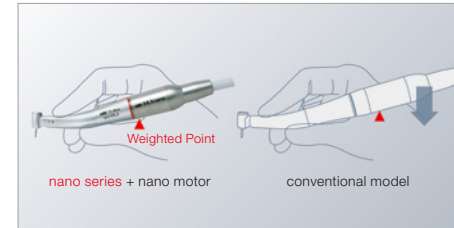
Ti-Max nano

Special



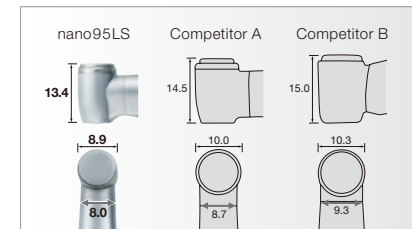
Shorter, Perfectly Balanced

Shorter, lighter and perfectly balanced, "nano series" instruments are designed to be natural extensions of the clinician's hand, ensuring smoother procedures. Even during implant operations that require delicate and precise movements, a "nano series" faithfully mirrors the user's intent. NSK continues to challenge the limits of manufacturing and pioneer next-generation contra-angles.



Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



Outstanding Durability

The nano95LS gear shapes have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability and noise level minimization.

Series instruments are compatible with NSK motor line up (NLX nano, NLX plus, M40LED, NBX, NBX N, X205L, M205LG and SGL70M micromotors) and other motors with inser t less than 23 mm.

Ti-Max nano Special

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Excludes nano65LS)
- Microfilter (Excludes nano65LS)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹

Optic	MODEL	ORDER CODE
1:5 Increasing	● nano95LS	C1099



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹

Optic	MODEL	ORDER CODE
1:1 Direct Drive	● nano25LS	C1100



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹

Optic	MODEL	ORDER CODE
4:1 Reduction	● nano15LS	C1101

Straight Handpiece



- Single Spray
- For HP burs (ø2.35)
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹
- *Need to insert the supplied bur stopper

Optic	MODEL	ORDER CODE
1:1 Direct Drive	● nano65LS	H1048

Ti-Max X

Advanced



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics

Prophylaxis Handpiece



Special Dust Proof

- For Screw-in Cups and Brushes
- 360° Rotation
- w/o Spray
- Max Speed: 2,500 min⁻¹



	Optic	MODEL	ORDER CODE
16:1 Reduction	●	X57L	C609



With Tip Lock Mechanism

- Single Spray
 - For Profin Tip / EVA Tip / Orthodontics File (Shank ø2.36-2.40 mm)*
 - Vertical Reciprocating (Stroke Length 1.4 mm)
 - Lamineer Tips not included
 - Max Speed: 10,000 min⁻¹
- *Metallic shank cannot be used.



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X55L	C608
	—	X55	C618

Straight Handpiece

- Clean Head System
 - Single Spray
 - For HP burs (ø2.35)
 - For CA burs (ø2.35)*
 - Max Speed: 40,000 min⁻¹
- *Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X65L	H273
	—	X65	H274

S-Max M

Advanced



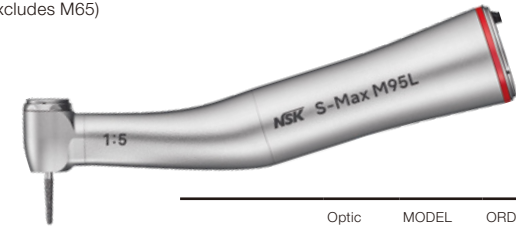
TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism.

They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel.

Experience them for yourself.

- Stainless Steel Body • Cellular Glass Optics • Clean Head System
- Push Button Chuck (Excludes M65)



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023
	—	M95	C1026

- Quattro Spray • For FG burs (ø1.6)
- Ceramic Bearings • Max Speed: 200,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024
	—	M25	C1027

- Single Spray • For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025
	—	M15	C1028

- Single Spray • For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹

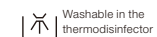
Straight Handpiece



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	H1008

- Single Spray • For HP burs (ø2.35)
- For CA burs (ø2.35)* • Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper



Washable in the thermodisinfectant



Autoclavable up to 135°C

FX series

Basic



Integrated Handpieces : Ergonomic : Functional : Reliable

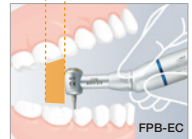
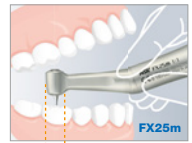
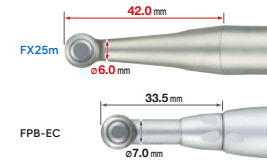
After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. - NSK FX handpiece series - a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity. The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



Maximum accessibility

Easy Cartridge Replacement

In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



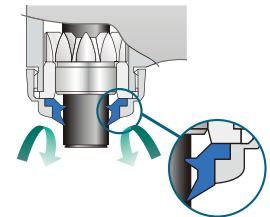
Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings. (FX25m / FX15m / FX65m)



FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



FX series Basic

General Applications Handpiece



- For CA burs (ø2.35) • Push Button Chuck
- Stainless Steel Body • Clean Head System
- Ball Bearing • External Water Spray
- Max Speed: 40,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	FX25m	C1052001



- For CA burs (ø2.35) • Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	FX22	C1129



- For CA burs (ø2.35) • Push Button Chuck
- Stainless Steel Body • Clean Head System
- Ball Bearing • External Water Spray
- Max Speed: 10,000 min⁻¹

	MODEL	ORDER CODE
4:1 Reduction	FX15m	C1053001

Endodontic Handpiece



- Miniature Head • For engine files
- Stainless Steel Body • 360° Rotation
- Push Button Chuck • Max Speed: 1,250 min⁻¹

	MODEL	ORDER CODE
16:1 Reduction	FX75m	C1055001

Prophylaxis Handpiece



- For screw-in cups and brushes
- Stainless Steel Body • 360° Rotation
- w/o Spray • Paste Defense System
- Max Speed: 5,000 min⁻¹

	MODEL	ORDER CODE
4:1 Reduction	FX57m	C1054001

Straight Handpiece




- For HP burs (ø2.35) • Stainless Steel Body
- Clean Head System • External Water Spray
- Max Speed: 40,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	FX65m	H1014001


EX series Basic

Heads for General Application




MODEL	ORDER CODE
FPB-Y	C875

- For CA burs (ø2.35) • Clean Head System
- Push Button Chuck • Ball Bearing
- External Water Spray
- Max Speed: 40,000 min⁻¹



MODEL	ORDER CODE
BB-Y	C037


- For CA burs (ø2.35) • Latch type
- Ball Bearing • External Water Spray
- Max Speed: 40,000 min⁻¹



MODEL	ORDER CODE
NAC-Y	C032002


- For CA burs (ø2.35) • Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹

Heads for Prophylaxis Application




MODEL	ORDER CODE
AR-Y (S)	C187

- For screw-in cups and brushes
- Max Speed: 5,000 min⁻¹



MODEL	ORDER CODE
EVA-Y	C235

- For Eva tips
- Vertical Reciprocating (Stroke Length 1.4 mm)
- Max Speed: 10,000 min⁻¹



MODEL	ORDER CODE
AR-Y (K)	C188


- For snap-on cups
- Max Speed: 5,000 min⁻¹

Heads for Endodontic Application




MODEL	ORDER CODE
MP-Y	C547

- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min⁻¹




MODEL	ORDER CODE
TEQ-Y	C849

- 80° Twist • For engine files (ø2.35)
- Push Button Chuck
- Max Speed: 4,000 min⁻¹



MODEL	ORDER CODE
MPA-Y	C548


- Connection for Apex locator (For long shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min⁻¹



MODEL	ORDER CODE
TEP-Y	C837


- 60° Twist • For hand files
- Push Button Chuck • External Water Spray
- Max Speed: 4,000 min⁻¹

Shanks



MODEL	ORDER CODE
EC-30M	C100007

- 1:1 Direct Drive



MODEL	ORDER CODE
ER4M	C634002

- 4:1 Reduction

• Shanks and heads are sold separately. You can combine Shanks and heads according to your wishes and the indication.



FPB-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermosensitizer.

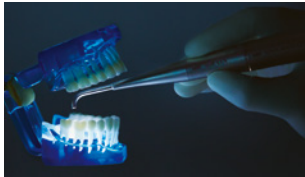
135°C Autoclavable up to 135°C



MP-Y, MPA-Y, TEP-Y, EC-30M and ER4M can be washed in the thermosensitizer.

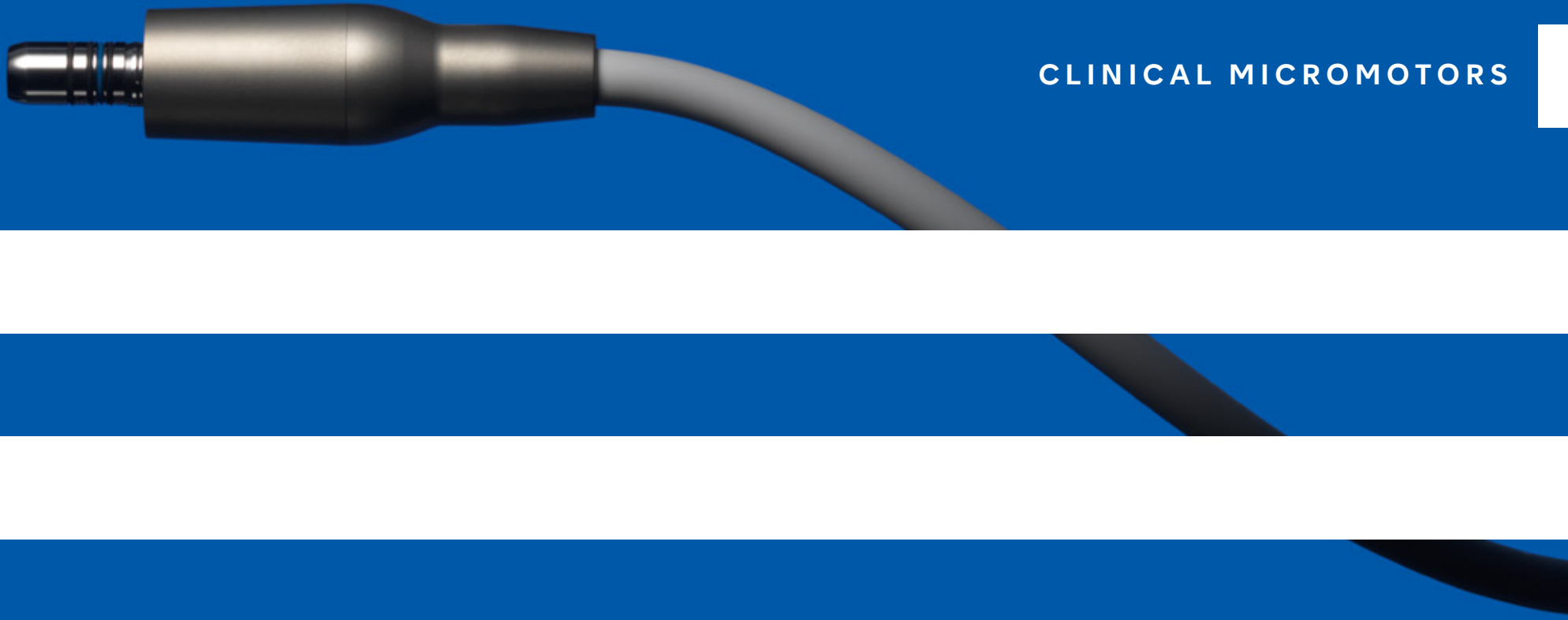
135°C Autoclavable up to 135°C

isoE-LUX Light Probe



Optic	MODEL	ORDER CODE
●	isoE-LUX	Z1265

- E-Type Optic Motor Connection
- Glass Fiber Optics
- Stainless Steel Body



CLINICAL MICROMOTORS

NLZ



The Compact Makes a Big Change

Now in a more compact size, with higher safety and flexibility for different installation styles, NSK's "NLZ" can help any user of air driven handpieces convert to electric and enjoy the full benefits of this smart system. The unique technology of "NLZ" employs an all-new micromotor system and expands the possibilities of dental treatment. This original concept from the leading handpiece manufacturer provides cutting-edge features applicable to a wide-range of endodontic treatments with enhanced comfort and safety. A big change in treatment environment is brought with only a minor addition to the current equipment in your office.

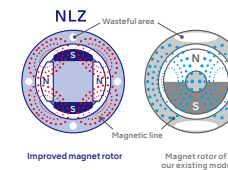
Flexible Installation Style Superior Visibility & Operability



Superior* Performance of Motor with Compact Size

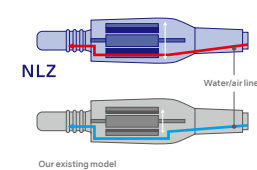
Powerful

The conventional magnet rotor has been replaced with an improved magnet rotor. More powerful rotation is achieved in the same amount of space by reducing weak magnetic areas.



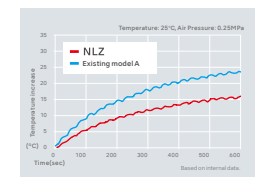
Efficient

In this unique technology, the water and air lines that used to bypass the motor have now been integrated with the motor. This new, more efficient configuration makes maximum use of the limited space and is lighter and more powerful than before.



Less heat

NLZ employs a simple non-layered coil instead of a standard layered coil. The coils are as compact as possible, shortening the pathway for heat generating current. As a result it generates less heat without reducing the output power.



*Compared to our existing model.

NLZ / NLZ E

Electric Micromotor

- Internal Water Spray



NLZ

Optic	MODEL	ORDER CODE
●	NLZ S230	Y1500360

Contents

- NLZ U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

Specifications

- [Unit]
- Dimension Control Unit : W 76 × D 87.1 × H 63.4 mm
 - Dimension Main Unit : W 146 × D 75 × H 48 mm
 - Power Supply : 230 V 50/60 Hz
 - Programs : General Application Mode / 6 programs
Rotary Endo Mode / 6 programs

NLZ E with Endodontic Function

Optic	MODEL	ORDER CODE
●	NLZ E S230	Y1500361

Contents

- NLZ E U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

- [Motor]
- Motor Type : Brushless Micromotor
 - Max Torque : 4.2 Ncm
 - Endodontics Torque : 0.3 - 6.0 Ncm*
 - Motor Speed : 100 - 40,000 min⁻¹
 - Dimension : ø22 × H 68.8 mm
 - Weight : 59 g (motor only)
 - Light : White LED
- *Depending on gear ratio

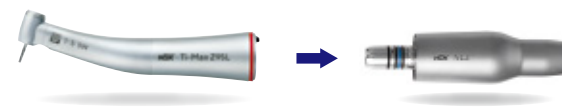
	NLZ	NLZ E
General Application Function	○	○
Rotary Endo Mode Function	—	○
Recipro Endo Mode Function	—	*○

*The "Reciprocating Endo Mode" can be operated only with the NLZ Endo Contra-angle handpiece and WAVEONE® file.

SAFETY FUNCTIONS

Contra-Check Function (Proprietary to NSK)

"Contra-Check Function" helps detect abnormalities caused by deterioration of the electric attachment and insufficient maintenance before use. Our advanced function is the result of NSK's relentless pursuit of safe treatment. *NSK's Ti-Max Z, X and S-Max M electric attachments are compatible with "Contra-Check Function".



For Safer and More Efficient Endodontic Treatment

In addition to the Auto Reverse and Auto Stop functions, a wide range of new features are incorporated for safer and more efficient endodontic treatment.

Reciprocating specialist electric attachment

Newly developed reciprocating specialist electric attachment NLZ Endo. Building on our existing handpiece development technology, we have succeeded in reducing the movement loss during reciprocating operations. As a result, it is possible to correctly transmit reciprocating actions for a smooth endodontic treatment.



NLZ Endo



- Max Speed : 1,000 min⁻¹
(Input Max Rotation Speed of the Motor : 6,000 min⁻¹)
- Engine Files (ø2.35) *For Rotary Endo mode
- Wave-One Reciprocating Files (ø2.35)
*For Recipro Endo Mode
- Push Button Chuck

	Optic	MODEL	ORDER CODE
6:1 Reduction	—	NLZ Endo	C1130

NLX nano

Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Integrated System Individual Components

- NLX nano micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	NLX nano	E1044051

- NLX nano micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
nano CDB	E1044066

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 mm



MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 mm



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 mm



MODEL	ORDER CODE
NLS-A SEL	Y1002125

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 mm



MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846



NLX plus

Electric Micromotor Integrated System

- Speed : 100 – 40,000 min⁻¹, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray • BRUSHLESS

Features

- Torque control & Auto reverse feature
- 3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



Integrated System Individual Components

- NLX plus micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	NLX plus	E1040051

- NLX plus micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
plus CD	E1040062

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 mm



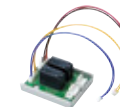
MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 mm



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 mm



MODEL	ORDER CODE
NLS-A SEL	Y1002125

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 mm



MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846



Multi Pad

Multi-Control Panel for
Built-in System

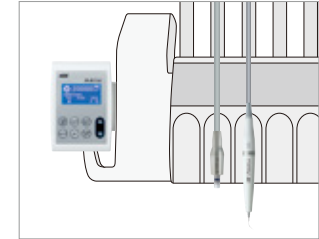


Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min⁻¹ and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



NLX nano

NLX plus

Varios2 Lux

Varios2



Multi Pad Complete Set

MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

Multi Pad AX (Auto Select) **Y1001846**

Contents

- Multi Pad Unit • Angle Plate (Mounting bracket) • Screws

Specifications

- Input voltage : DC + 12 V
- Input connect : 100 mA
- Max. output power : 1.2 W
- Dimensions : W 95 x D 138 x H 31 mm

Air Motor



Ti-Max X205L

Shorter and Lighter - Ergonomic Comfort & Improved Balance



Advantages

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)

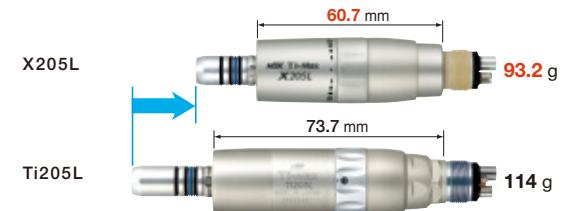


- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min⁻¹ ±10%
- Internal Water Spray



Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



S-Max M205



- Stainless Steel Body
- Anti-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- Internal Water Spray



MODEL	ORDER CODE
M205	M1007001

FX205m



- Stainless Steel Body
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- External Water Spray



MODEL	ORDER CODE
FX205m M4	M1005001

- Stainless Steel Body
- Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- External Water Spray



MODEL	ORDER CODE
FX205m B2	M1006001



ORAL HYGIENE

Varios Combi Pro



Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications

Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

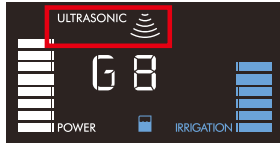
Keeps Both Powder Types Separate

Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.

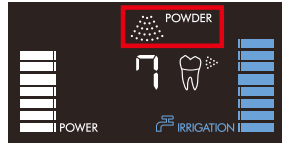
Optimizing Manoeuvrability

Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>

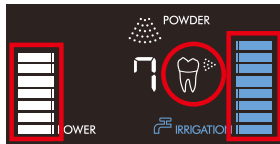


<During Powder function>

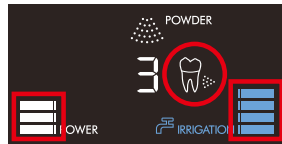
Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



Multi-Foot Control

Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.



ULTRASONIC

A Slim Highly-ergonomic LED Handpiece



The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

iPiezo engine®

The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

Feedback Function

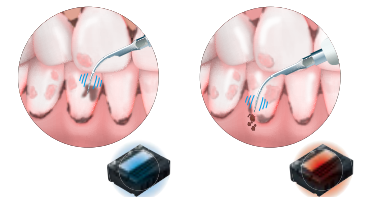
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

Auto Tuning Function

The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

Allows for Steady Scaling

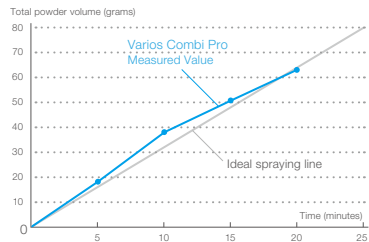
Conventional ultrasonic scalars lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.





POWDER PROPHY MODE

Cleaning Supragingival Areas Quickly and Efficiently



Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



User-friendly handpiece and nozzle

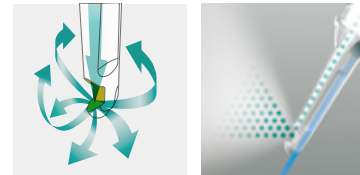
The slim handpiece provides excellent accessibility and manoeuvrability

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them. ➔ P.108

POWDER PERIO MODE

Gently cleaning Subgingival Areas



Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them. ➔ P.108

Varios Combi Pro



Varios Combi Pro Basic Set

MODEL	ORDER CODE
Varios Combi Pro Basic Set	Y1004194

Contents

- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- PROPHY-CHAMBER
- FLASH pearl (5 pcs. x 15 g sachets)
- Maintenance kit
- VA2LUX-Handpiece
- VA2LUX-Hose
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400 mL)
- Foot control

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Dimensions : W 225 x D 290 x H 162 mm (including chamber)
- Unit weight : 2.6 kg (Except attachment)
- Bottle volume : 400 mL

OPTION



MODEL	ORDER CODE
Varios Combi Pro Perio Set	Y1003042

Contents

- PERIO-CHAMBER
- PERIO-Hose
- PERIO-Handpiece
- Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate Powder



MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741

Contents

- 40 pcs per pack



Install the control unit and accessories on the cart. iCart V for VCP with the Water Bottle Set.

MODEL	ORDER CODE
iCart V	S9090V

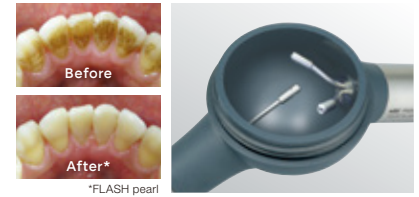
- Dimensions : H 101.65 cm
- Weight : 16.5 kg

Prophy-Mate neo



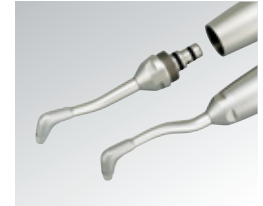
Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



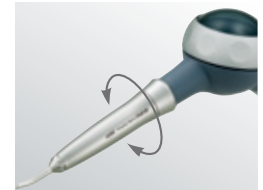
Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them. ➔ **P.108**

Prophy-Mate neo

Air Powered Tooth Polishing System



60° and 80° nozzles



Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	PMNG-PTL-P	Y135029
KaVo® Coupling	PMNG-KV-P	Y135030
Sirona® Coupling	PMNG-SR-P	Y135031
W&H® Roto Quick	PMNG-WH-P	Y135032
Bien-Air® Unifix®	PMNG-BA-P	Y135033
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-M4-P	Y135034
Borden 2 hole (Direct-connect / Screw-on Type)	PMNG-B2-P	Y135035

■ No light during use (when using optic coupling).

Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80°
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit



Perio-Mate



Extensive range of applications ranging from supragingival to subgingival use

By removing the Perio Mate Nozzle Tip, the subgingival area up to 3 mm from the gum line that requires the most frequent maintenance can be treated.



Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them. ➔ P.108

Perio-Mate

Biofilm Eraser



Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	PER-PTL-P	Y1002654
KaVo® Coupling	PER-KV-P	Y1002655
Sirona® Coupling	PER-SR-P	Y1002656
W&H® Roto Quick	PER-WH-P	Y1002657
Bien-Air® Unifix®	PER-BA-P	Y1002658
Midwest 4 hole (Direct-connect / Screw-on Type)	PER-M4-P	Y1002659
Borden 2 hole (Direct-connect / Screw-on Type)	PER-B2-P	Y1002660

■ No light during use (when using optic coupling).

Contents

- Handpiece • Powder case • Nozzle tip (40 pcs) • Maintenance kit
- Perio Mate Powder 160 g x 1

Perio Mate Nozzle Tip

Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741

Contents

- 40 pcs per pack

Powder Solution

For long lasting, beautiful and healthy teeth



Solution	At	For	With
<p>Prophy-Mate neo</p>  <p>Removal of stains Removal of plaque biofilm</p>	 <p>Supragingival</p>	<p>Natural tooth</p> <p>Prosthetic tooth (Only SOFT pearl*)</p>	 <p>FLASH pearl</p>  <p>SOFT pearl</p>
<p>Varios Combi Pro</p>  <p>Removal of plaque biofilm</p>	 <p>Supragingival (Gingival margin)</p>	<p>Natural tooth</p>	 <p>Perio Mate Powder</p>
<p>Perio-Mate</p> 	 <p>Subgingival</p>	<p>Prosthetic tooth</p>	<p>Perio Mate Powder</p>

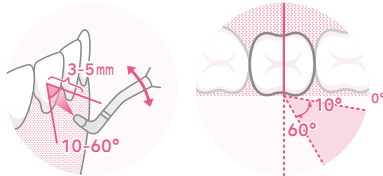
*with some exceptions.

FLASH pearl

Features

- Supragingival application
- Principal ingredient is calcium carbonate. Non-flavoured.
- For all grades of stainings and discolorations; with special efficiency in strong stainings
- Sodium-free, so no unpleasant salty taste and ideal for patients on sodium-restricted diets
- Spherical granules are gentle on tooth surfaces
- Average particle diameter is 54 µm

Usage



For Supragingival



MODEL	ORDER CODE
FLASH pearl (Bottle)	Y900698

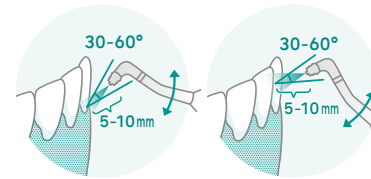
- 4 bottles packed in a box
- Each bottle contains 300 g

Perio Mate Powder

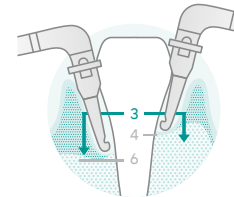
Features

- Supragingival and subgingival application
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
*Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 µm

Usage



For Supragingival



For Subgingival



MODEL	ORDER CODE
Perio Mate Powder	Y900938

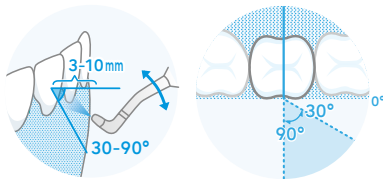
- 2 bottles packed in a box
- Each bottle contains 160 g

SOFT pearl

Features

- Supragingival application
- Principal ingredient is glycine, an amino acid present in proteins
- For all grades of stainings and discolorations; with special efficiency in slight to medium stainings
- For heavy users using an amalgam separator or wet suction
- Can be used for primary teeth (milk teeth)
- Average powder particle diameter 65 µm

Usage



For Supragingival



MODEL	ORDER CODE
SOFT pearl	Y1500721

- 4 bottles packed in a box
- Each bottle contains 250 g

The Smart Compact Design Provides High-performance

Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	VA970 LUX	Y1001168
—	VA970	Y1001175

Contents

- Control unit • Handpiece • Handpiece cord • 3 Scaling tips (G4, G6, G8) • Foot control (FC-70) • 2 x Irrigation bottles
- 3 x Tip wrench with torque limiter • AC power cord • Sterilization case

Specifications

- Power Supply: AC 230 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 160 x D 270 x H 190 mm (Including Bottle)
- Unit weight : 2.1 kg (Except attachment)
- Bottle volume : 400 mL (x 2 bottles)

Varios 970

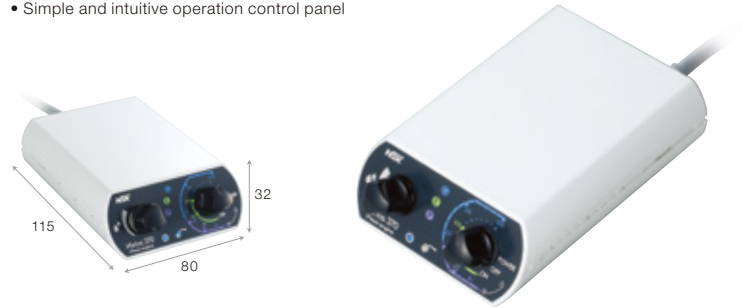
Varios 370

Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.

Advantages

- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel



Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



Varios 370 Complete Sets

Optic	MODEL	ORDER CODE
●	VA370 LUX	Y1001388
—	VA370	Y1001391

Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips (G4, G6, G8)
- Tip wrench with torque limiter

Specifications

- Power Supply: AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 80 x D 115 x H 32 mm (without knob and cord)
- Unit weight : 0.43 kg (without attachment)

Varios 170

Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module. It features the NSK iPiezo engine which ensures stable power output all the times. The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



Varios 170 Complete Sets

Optic	MODEL	ORDER CODE
●	VA170LUXS1	Y1001351
—	VA170S1	Y1001352

Contents

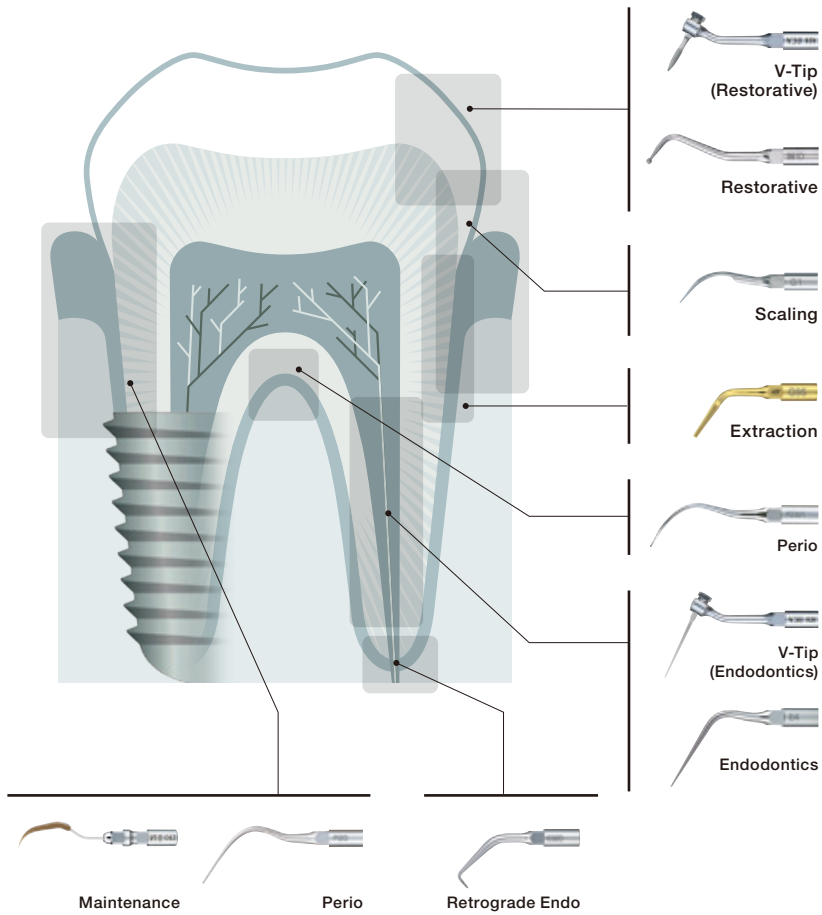
- Built in module
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G6, G8)
- 3 x Tip replacement wrench with torque limiter

Specifications

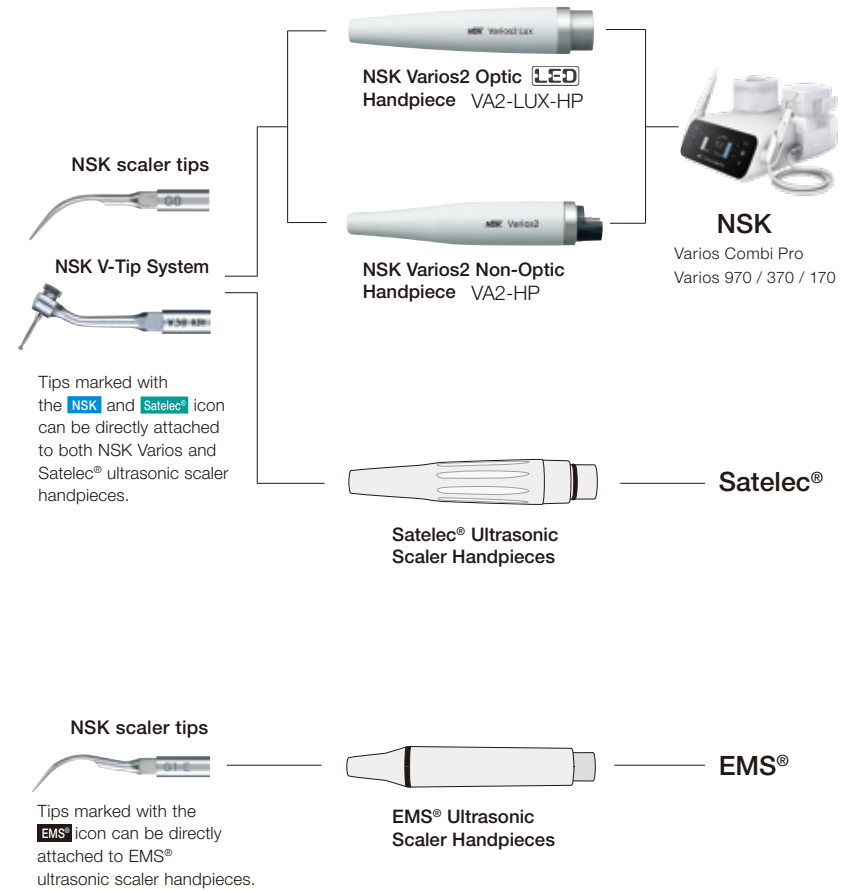
- Power Supply: AC 24 V ±10%
- Frequency : 28-32 kHz
- Max. output : 11 W
- Dimensions : W 63 x D 54 x H 26 mm
- Module weight : 59 g

Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.









NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.









Scaling



Cross Section Diagram




MODEL	ORDER CODE
  G1	Z217101
 G1-E	Z291101



MODEL	ORDER CODE
  G2	Z217102
 G2-E	Z291102



MODEL	ORDER CODE
  G3	Z217103
 G3-E	Z291103

MODEL	ORDER CODE
  G4	Z217104
 G4-E	Z291104

MODEL	ORDER CODE
  G5	Z217105



MODEL	ORDER CODE
  G6	Z217106
 G6-E	Z291106



MODEL	ORDER CODE
  G8	Z217108



MODEL	ORDER CODE
  G9	Z217109



Scaling

Cross Section Diagram

MODEL	ORDER CODE
  G11	Z217411



MODEL	ORDER CODE
  G12	Z217412



MODEL	ORDER CODE
  G13	Z217413



MODEL	ORDER CODE
  G16	Z217120



Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
  P1	Z217404

MODEL	ORDER CODE
  P1D	Z217405
• Diamond coated	

MODEL	ORDER CODE
  P2D	Z217402
• Diamond coated • Right curved type	

MODEL	ORDER CODE
  P3D	Z217403
• Diamond coated • Left curved type	

Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
P10	Z217410
• Sharp edge	

MODEL	ORDER CODE
P11R	Z217408
• Sharp edge • Right curved type	

MODEL	ORDER CODE
P11L	Z217409
• Sharp edge • Left curved type	

MODEL	ORDER CODE
P20	Z217420
P20-E	Z291420

MODEL	ORDER CODE
P21R	Z217422
P21R-E	Z291422
• Right curved type	

MODEL	ORDER CODE
P21L	Z217421
P21L-E	Z291421
• Left curved type	

Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
P25R	Z217424
P25R-E	Z291424
• Right curved type	

MODEL	ORDER CODE
P25L	Z217425
P25L-E	Z291425
• Left curved type	

MODEL	ORDER CODE
P26R	Z217426
• Right curved type	

MODEL	ORDER CODE
P26L	Z217427
• Left curved type	

Perio (Irrigation and Cleaning)

Cross Section Diagram

MODEL	ORDER CODE
P40	Z217550
• Tip diameter \varnothing 0.6 mm	

MODEL	ORDER CODE
P41	Z217555
• Tip diameter \varnothing 0.8 mm	

Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
V10	Z217041

- V-Tip Holder
- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross Section Diagram



MODEL	ORDER CODE
V-P10	Y900184

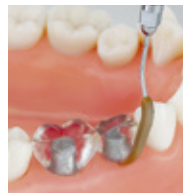
- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10 holder is not included



V-P10



V-P12



V-P11R



V-P26R

Maintenance (V-Tip)

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross Section Diagram



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type
- Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL	ORDER CODE
V-P26R	Y1002168

- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P26L	Y1002169

- Left curved type
- Pack of 3
- V10 holder is not included

Endodontics

Cross Section Diagram				MODEL	ORDER CODE	
		E4	Z217428			
		<ul style="list-style-type: none"> • For root canal cleaning 				
	<hr/>					
				MODEL	ORDER CODE	
		E4D	Z217528			
		<ul style="list-style-type: none"> • Diamond coated • For root canal enlargement 				
<hr/>						
			MODEL	ORDER CODE		
	E5	Z217305				
	<ul style="list-style-type: none"> • Water not required • For lateral condensation 					
<hr/>						
			MODEL	ORDER CODE		
	E6	Z217306				
	<ul style="list-style-type: none"> • Water not required • For lateral condensation 					
<hr/>						
			MODEL	ORDER CODE		
	E7	Z217307				
	<ul style="list-style-type: none"> • Water not required • For removal of filling and foreign material 					
<hr/>						
			MODEL	ORDER CODE		
	E7D	Z217317				
	<ul style="list-style-type: none"> • Diamond coated • For enlargement of root canal wall 					

Endodontics

Cross Section Diagram				MODEL	ORDER CODE	
		E8	Z217308			
		<ul style="list-style-type: none"> • Water not required • For removal of filling and foreign material 				
	<hr/>					
				MODEL	ORDER CODE	
		E8D	Z217318			
		<ul style="list-style-type: none"> • Diamond coated • For enlargement of root canal wall 				
<hr/>						
			MODEL	ORDER CODE		
	E15D	Z217319				
	<ul style="list-style-type: none"> • Diamond coated • For locating root canals and removal of calcifications 					

Endodontics

120° Angle Holder for U files



MODEL	ORDER CODE
E11	Z217031

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

95° Angle Holder for U files



MODEL	ORDER CODE
E12	Z217032

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth • File is optional

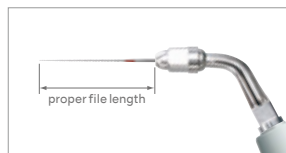


MODEL	ORDER CODE
U files 33 mm ISO 15	Y900062
• ISO 15 • Pack of 6	
U files 33 mm ISO 20	Y900063
• ISO 20 • Pack of 6	
U files 33 mm ISO 25	Y900064
• ISO 25 • Pack of 6	
U files 33 mm ISO 30	Y900065
• ISO 30 • Pack of 6	
U files 33 mm ISO 35	Y900066
• ISO 35 • Pack of 6	

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

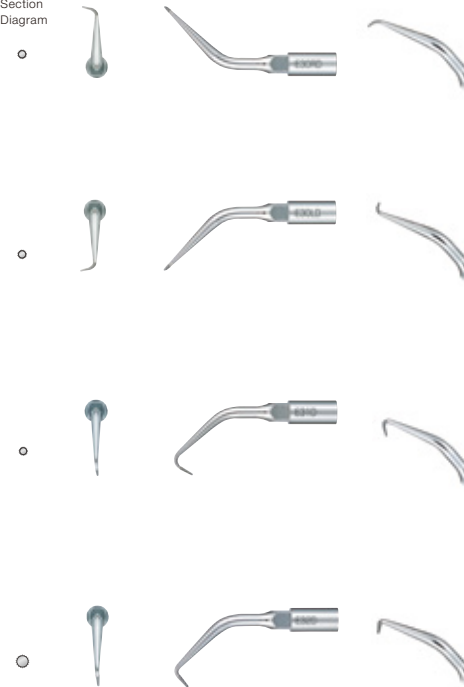
Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	ISO 15	ISO 20	ISO 25	ISO 30	ISO 35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross Section Diagram



MODEL	ORDER CODE
E30RD	Z217212

- Diamond coated
- For posterior teeth (right angled)

MODEL	ORDER CODE
E30LD	Z217213

- Diamond coated
- For posterior teeth (left angled)

MODEL	ORDER CODE
E31D	Z217210

- Diamond coated
- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
E32D	Z217211

- Diamond coated
- For anterior teeth (90°)

Extraction

Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

Features

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

**Root extraction
(upper left No. 2 tooth removal)**

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



**Impacted tooth
(lower left No. 8 tooth removal)**

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.
Nishikawa-guchi dental clinic



MODEL	ORDER CODE
NSK G95	Z217705

- TiN coating • 0.7 mm thick
- A double edge, which is sharp in three directions

Restorative (For Minimal Intervention)

MODEL	ORDER CODE
NSK Satelec® G61D	Z217601
• Diamond coated	
MODEL	ORDER CODE
NSK Satelec® G62D	Z217602
• Diamond coated	
MODEL	ORDER CODE
NSK Satelec® G65D	Z217605
• Diamond coated	
MODEL	ORDER CODE
NSK Satelec® G66D	Z217606
• Diamond coated	
MODEL	ORDER CODE
NSK Satelec® G67D	Z217607
• Diamond coated	
MODEL	ORDER CODE
NSK Satelec® G68D	Z217608
• Diamond coated	

* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Varios V-TIP System



NSK Varios V-Tip holder system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Restorative

P.132-133

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



Endodontics

P.131

- For Root Canal Cleaning
- For Root Canal Enlargement



- Ni-Ti Irrigation



V30
120° Angle type

Maintenance

P.122-123

- For Prostheses or Implant Maintenance
- Perio-Control**



V10
Straight

Endodontics V-Tip



MODEL	ORDER CODE
V30	Z217030

• V-Tip Holder • Tip is optional

- For root canal cleaning 17 mm • Pack of 3

- For root canal cleaning 23 mm • Pack of 3

- For root canal cleaning 26 mm • Pack of 3

- For root canal cleaning 32 mm • Pack of 3

MODEL	ORDER CODE
V-S50	Y900169

MODEL	ORDER CODE
V-S51	Y900170

MODEL	ORDER CODE
V-S52	Y900171

MODEL	ORDER CODE
V-S53	Y900172

MODEL	ORDER CODE
V-S50D	Y900173

MODEL	ORDER CODE
V-S51D	Y900174

MODEL	ORDER CODE
V-S52D	Y900175

MODEL	ORDER CODE
V-S53D	Y900176

MODEL	ORDER CODE
V-N50	Y900182

MODEL	ORDER CODE
V-N51	Y900183



* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

- Diamond coated
- For root canal enlargement 17 mm • Pack of 3

- Diamond coated
- For root canal enlargement 23 mm • Pack of 3

- Diamond coated
- For root canal enlargement 26 mm • Pack of 3

- Diamond coated
- For root canal enlargement 32 mm • Pack of 3

- Ni-Ti Irrigation 17 mm • Pack of 3

- Ni-Ti Irrigation 21 mm • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

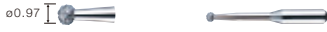


Restorative (For Minimal Intervention)



MODEL	ORDER CODE
V30	Z217030

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
V-G70	Y900118

• Diamond coated • Pack of 3



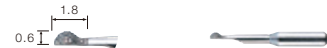
MODEL	ORDER CODE
V-G71	Y900119

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G72	Y900120

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G75	Y900121

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G76	Y900122

• Diamond coated • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



MODEL	ORDER CODE
V30	Z217030

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
V-G77	Y900165

• Diamond coated
• Normal Grade • Pack of 3



MODEL	ORDER CODE
V-G78	Y900166

• Diamond coated
• Fine Grade • Pack of 3



MODEL	ORDER CODE
V-G79	Y900167

• Diamond coated
• Super Fine Grade • Pack of 3

Restorative (For Caries Removal)



MODEL	ORDER CODE
V30	Z217030

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
V-S1	Y900161

• Stainless Tip • Pack of 3



MODEL	ORDER CODE
V-S3	Y900162

• Stainless Tip • Pack of 3



MODEL	ORDER CODE
V-S33	Y900163

• Stainless Tip • Pack of 3



Washable in the thermodisinfecteur



Autoclavable up to 135°C



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Tip Kits

Application PERIO



MODEL	ORDER CODE
Perio Kit A	Y900144

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO Furcation and curved root face



MODEL	ORDER CODE
Perio Kit B	Y900145

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE For Prostheses or Implant Maintenance



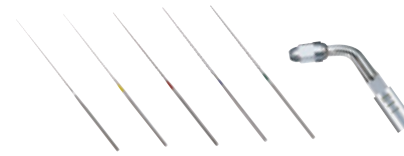
MODEL	ORDER CODE
Perio-Control Tips Starter Kit	Y1002606

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Tip Kits

Application ENDODONTICS For anterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

MODEL	ORDER CODE
Endo Kit E11	Y900146

Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS For posterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 95° angle holder

MODEL	ORDER CODE
Endo Kit E12	Y900147

Contents

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS 4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
Retro Kit	Y900149

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

Ti-Max S970



Titanium Body with Scratch Resistant DURACOAT
3 level Power Ring
Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),
Tip Wrench (CR-20) and
Tip Cover (L)

NSK Couplings	Optic	MODEL	ORDER CODE
●		S970L	T1005
—		S970	T1020

KaVo® Coupling	Optic	MODEL	ORDER CODE
●		S970KL	T1013

Sirona® Coupling	Optic	MODEL	ORDER CODE
●		S970SL	T1015

AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	AS2000 M4	T698

- For Midwest 4 hole

Air Scaler Tips

Scaling

Cross Section Diagram



MODEL	ORDER CODE
S1	Z252411

- Universal Type



MODEL	ORDER CODE
S2	Z252413

- Sickle Type



MODEL	ORDER CODE
S3	Z252412

- Perio Type

Perio

Cross Section Diagram



MODEL	ORDER CODE
S10	Z252420

- Universal Type Slim Line



MODEL	ORDER CODE
S20	Z252441

- Root Planning (Straight tip)



MODEL	ORDER CODE
S21R	Z252442

- Root Planning (Right curved tip)



MODEL	ORDER CODE
S21L	Z252443

- Root Planning (Left curved tip)

Maintenance (V-Tip) Perio-Control



MODEL	ORDER CODE
S35	Z252015

- Includes E-Tip replacement wrench
- V-Tip Holder • Plastic Tip is not included

Cross Section Diagram



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type • Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type • Pack of 3
- S35 holder is not included

Air Scaler Kit



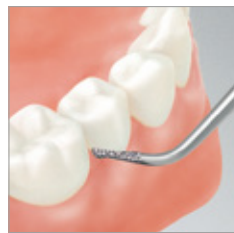
MODEL	ORDER CODE
Perio-Control Tips Air Scaler Kit	Y1002754

- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench

Restorative (For Minimal Intervention)

Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.

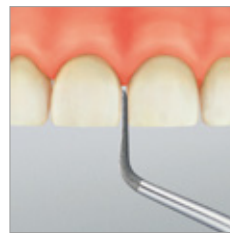
			MODEL	ORDER CODE
			S65D	Z252465
• Diamond coated				
			MODEL	ORDER CODE
			S66D	Z252466
• Diamond coated				
			MODEL	ORDER CODE
			S67D	Z252467
• Diamond coated				
			MODEL	ORDER CODE
			S68D	Z252468
• Diamond coated				



S65D



S81D



S72D

Restorative (For Preparation of Crown Cores)

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.

			MODEL	ORDER CODE
			S81D	Z252469
• Diamond coated				
			MODEL	ORDER CODE
			S82D	Z252462
• Diamond coated				
			MODEL	ORDER CODE
			S83D	Z252461
• Diamond coated				
			MODEL	ORDER CODE
			S86D	Z252460
• Diamond coated				

These tips are safe sided and flat for minimal mesial or distal preparations.

			MODEL	ORDER CODE
			S71D	Z252471
• Diamond coated				
			MODEL	ORDER CODE
			S72D	Z252472
• Diamond coated				

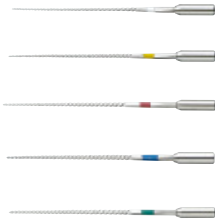
V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Endodontics

P.147



S75

120° Angle type

Maintenance

P.143

- For Prostheses or Implant Maintenance

Perio-Control



S35

Straight

Endodontics V-Tip



MODEL	ORDER CODE
S75	Z252035

S75 **Z252035**

- Includes E-Tip replacement wrench
- V-Tip Holder



MODEL	ORDER CODE
V-U15	Y900177

V-U15 **Y900177**

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6



MODEL	ORDER CODE
V-U20	Y900178

V-U20 **Y900178**

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6



MODEL	ORDER CODE
V-U25	Y900179

V-U25 **Y900179**

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6



MODEL	ORDER CODE
V-U30	Y900180

V-U30 **Y900180**

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6



MODEL	ORDER CODE
V-U35	Y900181

V-U35 **Y900181**

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6



ENDODONTICS



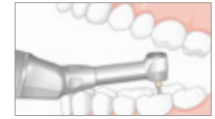
ENDO-MATE TC2

Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

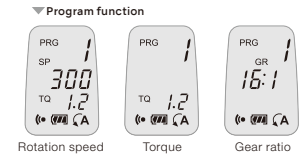
Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.



Program function

User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.



Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece changes. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.



ENDO-MATE TC2 Complete Set

MODEL	ORDER CODE
ENDO-MATE TC2	Y1001027

Contents

- MP-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

ENDO-MATE TC2 Complete MPA Set

MODEL	ORDER CODE
ENDO-MATE TC2 MPA	Y1001028

Contents

- MPA-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

Specifications

- Speed range : 2,000-9,000 min⁻¹
- Charge : 1.5 h (depending on workload)
- Continuous use : 1.2 h (depending on workload)

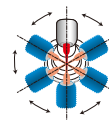
ENDO-MATE DT2

smart & portable



6 head angles for ease of treatment

Depending on the position of treatment site, the head angle can be adjusted to the best angle.



Quick coupling

Quick coupling allows for easy head exchange. All heads are autoclavable up to 135°C.



2-way ON/OFF switch

Features are :

A: Push and release - Micromotor operates continuously until the button is pushed again.

B: Push and hold - Micromotor operates continuously until the button is released.



Compatible all popular brands of Ni-Ti files

Up to 9 settings (speed and torque etc) can be programmed simply by pushing the memory function button. It's easy to switch between each preset program allowing work with all popular Ni-Ti file manufacturer's protocols.

Gear Ratio	Rotation Speed(min ⁻¹)
20:1	100-650
16:1	125-800

Auto reverse function

The auto reverse function activates when the preset torque level has been reached.

2 way power source

ENDO-MATE DT2 has been designed to work with a rechargeable battery for portable use or can be powered using the AC adaptor supplied.

Other function

Beeping sound notifies user when preset torque limit has been reached.

ENDO-MATE DT2 with 20:1 Head

MODEL	ORDER CODE
ENDO-MATE DT2 (230V)	Y1004230

Contents

- Control unit
- Motor and Cord
- MP-F20R head (20:1)
- Handpiece stand
- AC Adaptor

ENDO-MATE DT2 without Head

MODEL	ORDER CODE
ENDO-MATE DT2 W/O (230V)	Y1004231

Contents

- Control unit
- Motor and Cord
- Handpiece stand
- AC Adaptor



*Files are not included.

Specifications

- Power supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs : 9
- Max Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min⁻¹ (With 20:1, 1:1 geared heads)

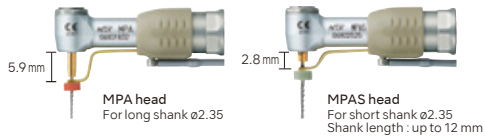
- Charge/Continuous use : 5 h / 2 h (depending on workload)
- Dimensions : W 93 x D 147 x H 100 mm
- Weight : Unit 440 g / Motor handpiece and Cord 95 g

ENDO-MATE TC2/ENDO-MATE DT2 Heads

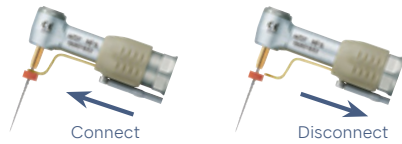
Apex Locator Capability

MPA and MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & DT2 systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & DT2, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

2 types of file holders are available relevant to the shank length of the file selected.



Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.



	MODEL	ORDER CODE
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Push Button Chuck



	MODEL	ORDER CODE
16:1 Reduction	MPA-F16R	Y110097

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Connection for Apex locator (For long shank) • Push Button Chuck



	MODEL	ORDER CODE
20:1 Reduction	MPAS-F20R	Y110046
16:1 Reduction	MPAS-F16R	Y110098

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Connection for Apex locator (For short shank) • Push Button Chuck

iPexII



Features

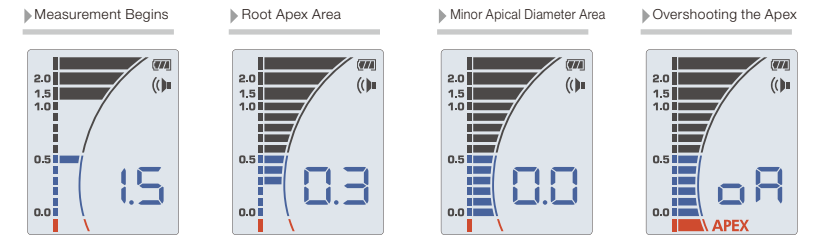
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost

Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

The 3 Colour LCD Visual Monitor Screen



Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE DT2 / Contra-angle)
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPexII Complete Set

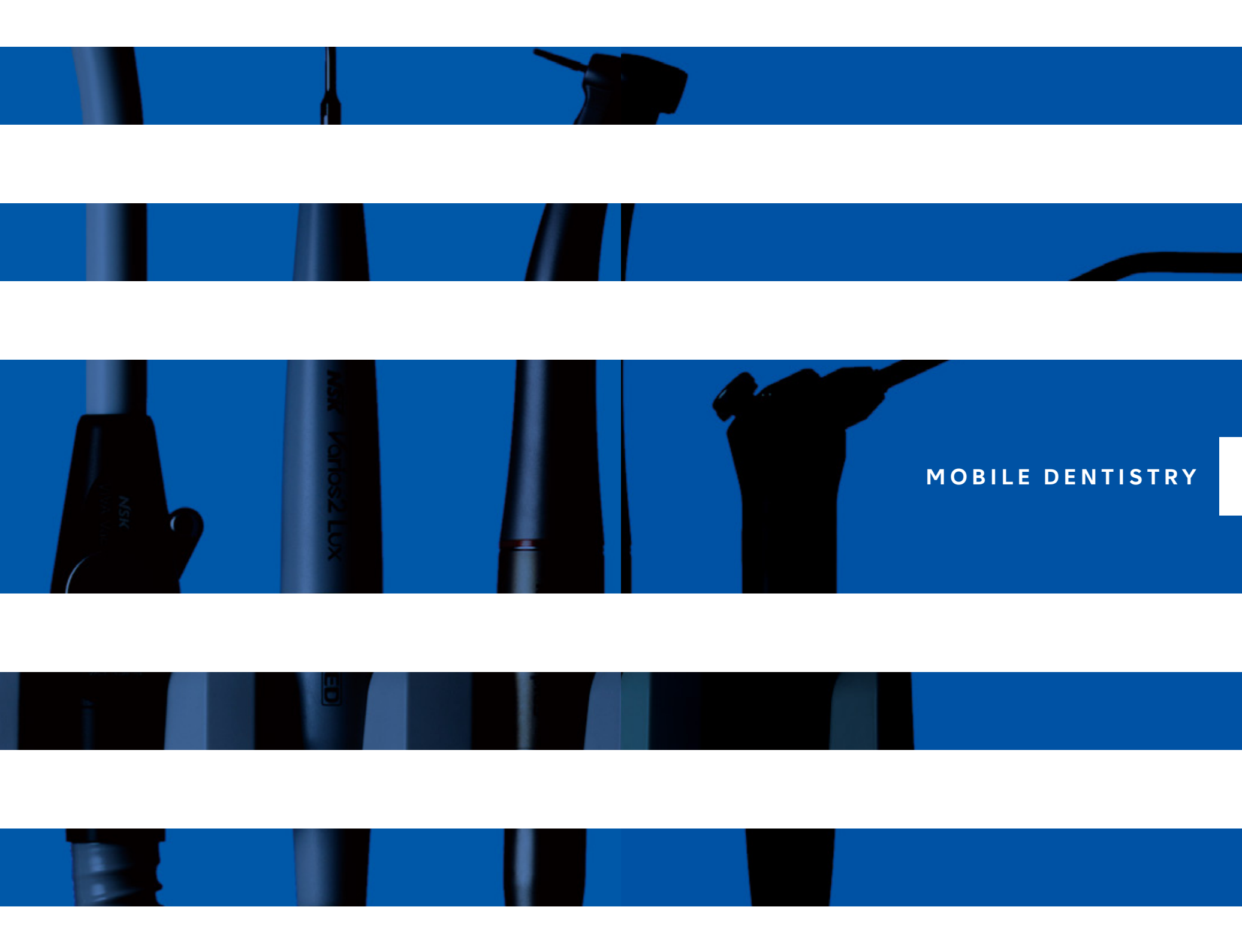
MODEL	ORDER CODE
iPexII Complete Set	Y1002208

Contents

- Control unit
- iPexII Probe (1.8 m)
- iPexII File Clip (3 pcs.)
- Lip Hook (3 pcs.)
- AAA manganese dry batteries (3 pcs.)
- iPexII Tester

Specifications

- Power Supply : for 1.5 V AAA (LR03 or R03) batteries
- Dimensions : W 60 x D 60 x H 86 mm
- Continuous use : Approx. 60 h
- Weight : 76 g (unit without batteries)



MOBILE DENTISTRY

Dentalone



Helping You Care. Anywhere.*

Dentalone offers a large range of instruments and extended functionalities, thus practitioners can realise dental treatments outside any dentist's office:

■ NLX nano Electric Clinical Micromotors

- Smaller and lighter micromotor currently available.

■ Varios2 Lux Multi Function Ultrasonic Scalers

- iPiezo engine ensures stable power output and performance.



■ Multi Pad Multi-Control Panel for built-in system

- Visual identification on the display is possible even during operation of the handpiece.

- Illuminated LCD control panel Multi Pad
- 40,000 min⁻¹ autoclavable brushless NLX nano micromotor with LED light, internal water and titanium body
- Integrated multi function ultrasonic scaler Varios 170 with LED light, slim and light weight VA2-LUX-HP handpiece
- 3-way air / water / spray syringe with LED light
- Saliva complete suction
- 500 mL water tank
- 1 Liter waste container



Dentalone Complete Set

MODEL	ORDER CODE
Dentalone	S9070

Contents

- 1 Carrying Case
- 1 Water tank for spray
- 1 Tank for vacuum
- Built in compressor
- Built in suction pump
- 1 Variable Foot Control
- 1 Extendable Tablet

Specifications

- Dimensions : Case with trolley (unpulled trolley handle) : W 351 x D 405 x H 545 mm
Case with trolley (pulled trolley handle) : W 351 x D 405 x H 1,075 mm
Without case : W 350 x D 405 x H 496 mm
- Working height : 766 mm
- Weight with case : 18,5 kg
- Power Supply: AC 100-230 V 50/60 Hz

VIVA ace



Wherever Possible

For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.



Lightweight and Compact Body



High Functionality, Just Like a Treatment Centre



Straight Forward Set-up and Breakdown



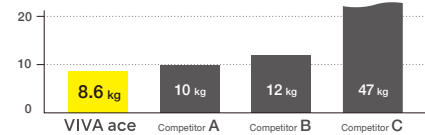
Lightweight and Compact Body

Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another. The small size has been achieved by making each component lightweight and compact without compromising functionality.

All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

Lightweight at 8.6 kg*, it can be Taken Anywhere.



*Weight without handpieces

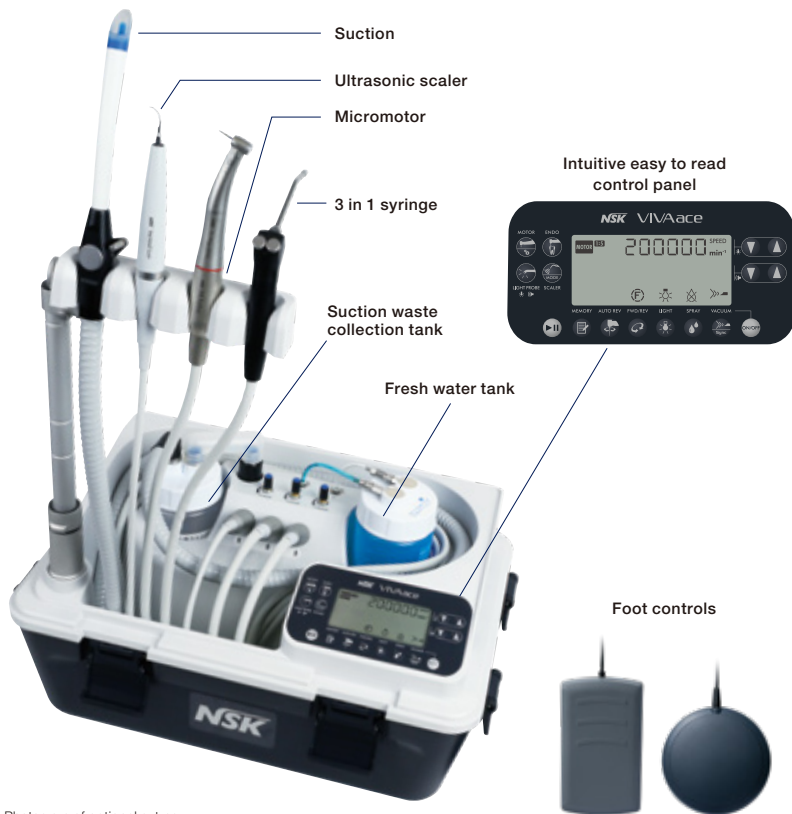




Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

Advanced Functionality in a Compact Body



Photos are of optional extras.

High Functionality Micromotor Full endodontic functionality



NLX plus

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min ⁻¹)	Torque (Ncm)
General mode	1,000 ~ 40,000	4.0
Endodontic mode	100 ~ 5,000	0.3 ~ 3.0

Multipurpose Ultrasonic Scaler Comprehensive tip range



Varios2 Lux

NSK iPiezo ultrasonic engine

Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

Suction



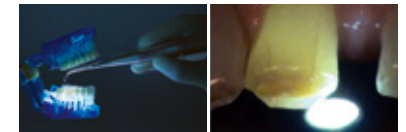
Built in ball lever valve to adjust suction power.

Light Probe (optional)



isoE-LUX

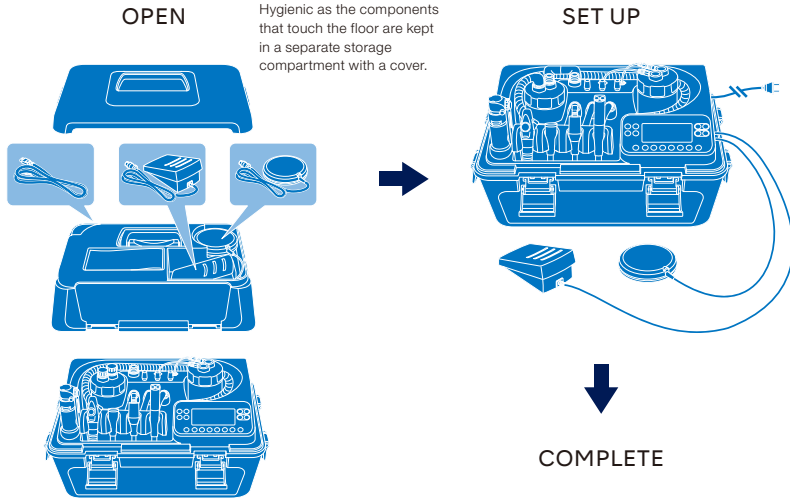
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





Quick Set up and Storage

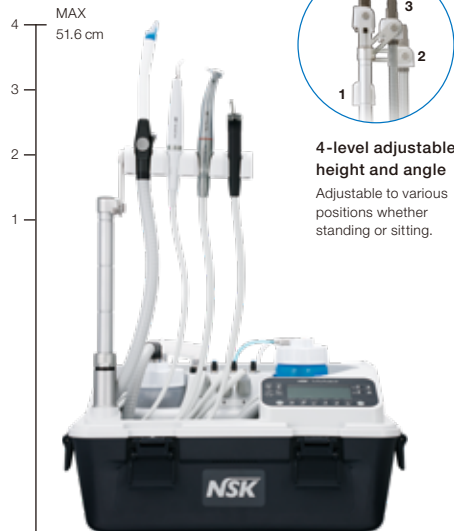
Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



Storage is simple
Remove the handpieces for easy storage.



Very easy to maintain



VIVA ace



VIVA ace Complete Set

MODEL	ORDER CODE
VIVA ace Complete Set	Y1004228

Contents

- VIVA ace Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

Specifications

- [Control Unit]
- Dimensions : W 462 x D 298 x H 284 mm
 - Unit weight : 8.6 kg
 - Power Supply : AC 100-240 V 50/60 Hz
 - Power source input : 130 VA

VIVAMATE G5

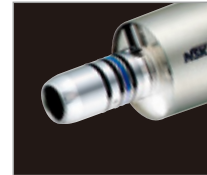


Portable LED Micromotor;
From Denture Adjustment to General Applications

Internal Spray LED Micromotor

The compact size micromotor has been specifically developed for mobile dentistry and weighs only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces^{*1} helping you to manage the cost of a mobile dentistry set-up.

^{*1} Conformable to ISO 3964.



Able to Use Both Rechargeable Battery and AC Adaptor for The Compact Control Unit

Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes of the treatment.



Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

Contents

- Control unit
- Handpiece Stand
- Motor (Including Motor Cord)
- AC Adaptor
- AC Power Cord
- Carrying Case

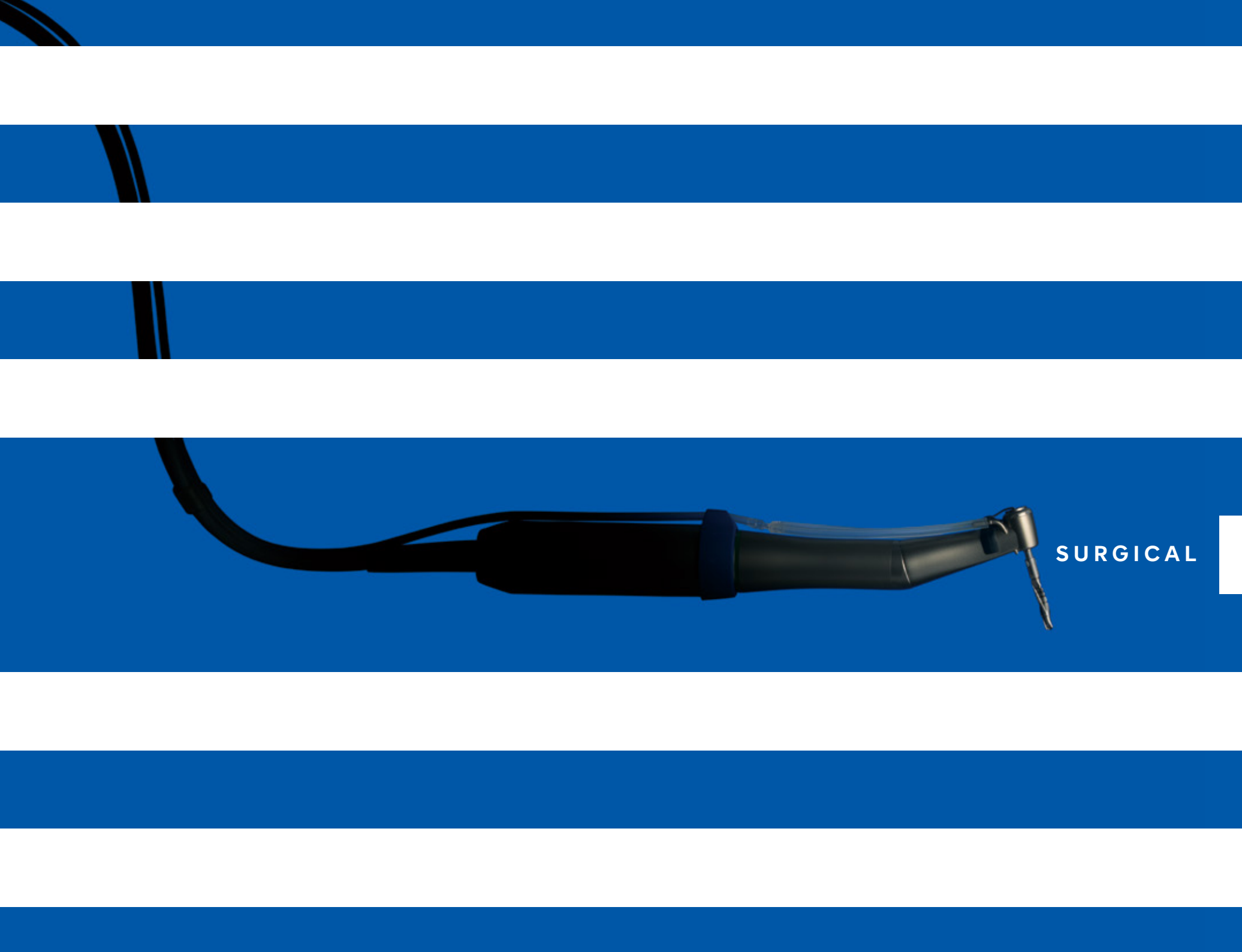
Specifications

[Control Unit]

- Dimensions : W 72 x D 180 x H 36 mm
- Weight : 370 g
- Charge / Continuous use : 2 h / 1 h (depending on workload)

[Micromotor]

- Dimensions : ø22 x L 68.6 mm
- Weight : 148 g (Include Motor cord)
- Speed : 3,000-30,000 min⁻¹
- Torque: 3 Ncm (30,000 min⁻¹ while rotating)



SURGICAL

Surgic Pro2 × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Link 2 Systems

Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



Link Module



Link Stand2

With the NSK link stand the two units can be safely stacked to save space.

Surgic Pro2



GO BEYOND

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2". There are 3 developments, in operation, safety and wireless extensibility. As well as further improving the basic performance of Surgic Pro, its supreme adaptability in connecting to various external devices offers improved safety, efficiency and operator comfort during treatment. Professionals depend on the reliability of their equipment on a daily basis. With Surgic Pro2 NSK have taken reliability to the next level.

3 Developments

- OPERABILITY
- SAFETY
- WIRELESS EXTENSIBILITY

OPERABILITY

There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

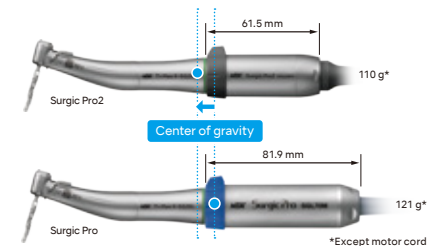


Improved operability A more compact new motor.

Significant size and weight reductions were achieved for the motor with NSK's proprietary micro-motor technology. Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for effortless operation.

Length 24.9% DOWN

Weight 9.1% DOWN



Superb visibility and operability
Large color LCD panel

Visibility is guaranteed with the large, back-lit, high-contrast, LCD panel. The display can be adjusted in 10 brightness levels. The display's intuitive and easy-to-understand icons allow for smooth operation.



Easy-clean flat screen display

The sensitivity of the touch panel can be adjusted to reliably respond when surgical gloves and surgical barrier sheets are in use. Ultra-narrow bezel of the display makes cleaning easier. The new design takes into account the latest treatment and cross-infection control requirements.

Visibility is significantly improved with the high-resolution color LED.

Use of high-resolution color LED allows blood and gums to be seen as if naturally lit, thereby providing increased visibility during treatment. The LED light source generates a minimal amount of heat and has excellent life expectancy.



High color rendering LED

Standard White LED

Silent and Smooth Irrigation Pump

The irrigation pump provides consistent and steady flow operating quietly in the background. Irrigation tube set-up is simple and straight-forward and the pump fits seamlessly in the compact and elegant design of Surgic Pro2.



SAFETY

Synonymous with Surgic Pro safer procedures are made possible with increased torque precision combined with the Osseo 100+, measuring the stability of dental implants.

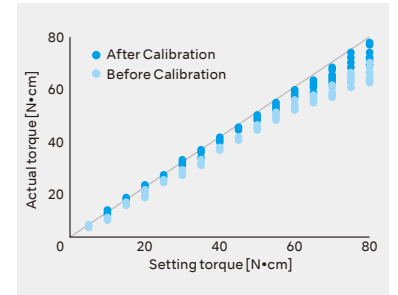


NSK's Drive for Accuracy Ensure Safe Treatment through Accurate Torque Correction

The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.

Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.



Osseo 100+, for more predictable treatment

Osseo 100+ measures implant stability to support decision making about when to load. Especially important when using protocols with shorter treatment time and treating risk patients. By connecting with the Surgic Pro2 it is possible to share and manage the measured ISQ value on external terminals.



Contactless ISQ value measurement. There is no additional impact on the implant or abutment.

WIRELESS EXTENSIBILITY

Wireless connection with multiple devices significantly broadens the scope of implant treatment.



Linked with Osseo 100+

Osseo 100+ measures the implant stability quotient contactlessly and can be connected using Bluetooth®, permitting ISQ confirmation over a shared interface. You can share and manage the data of those measured ISQ scores on other terminals through Surgic Pro2. Surgic Pro2 itself offers such high extensibility as like this ISQ function is already equipped inside. It only takes 3 easy steps to use the Osseo 100+.



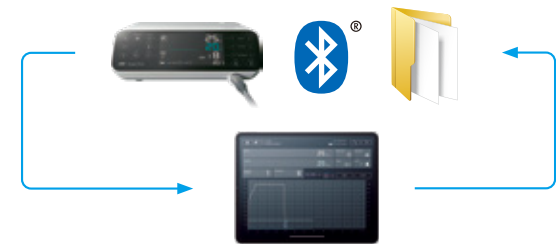
Linked with the "VarioSurg 3" ultrasonic bone surgery system

Surgic Pro2 can easily be linked with the NSK ultrasonic surgical system VariosSurg 3 by adding our Bluetooth link module.



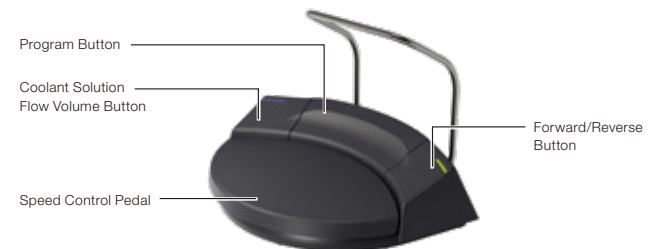
Linked with iPads

Installing a dedicated application and connecting an iPad to the control unit enables real-time display of detailed procedural data, such as the rotation speed and the torque range. Procedural data can also be saved. Data can also be displayed and saved when connecting with Osseo 100+. Traceability data management of procedural details allows implant treatment to be tailored to individual patients.



Linked with a wireless foot control

Bluetooth connectivity allows selection of the optimal position without worrying about cable length. The foot controller is 400g lighter than the previous model (hanger included) making it easy to reposition. You can keep your focus on the treatment. The "Coolant Solution Flow Volume Button", "Program Button" and "Forward/Reverse Button" may be customized using the 3 installed buttons allowing the operator to choose their preferred mode of operation. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months. A flashing light indicates when the batteries are running low.



Surgic Pro2



Complete Set with X-SG20L

Optic	MODEL	ORDER CODE
●	Surgic Pro2 OPT	Y1500511

Contents

- Control Unit • SGL80M Optic Micromotor
- X-SG20L Optic Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

Specifications

[Control Unit with AHC]

- Power Supply : AC 100-240V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems
- Dimensions : W 245 x D 235 x H 90 mm
- Weight : 2.1 kg

[Micromotor]

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min⁻¹
- Light Power : over 32,000 LUX (Optic Micromotor)
- Weight : 0.2 kg (with motor cord)

[FOOT CONTROL WIRELESS]

- Foot Control Functions : Coolant Solution Flow Volume Button, PRG(Program) Button, Forward/Reverse Button, Speed Control Pedal
- Dimensions : W 260 x D 185 x H 65 mm
- Weight : 1.1 kg (with hanger)
- Electric Power Source : Three AAA/Micro/LR03, 1.5V alkaline batteries

Complete Set with SG20

Optic	MODEL	ORDER CODE
—	Surgic Pro2 NON-OPT	Y1500512

Contents

- Control Unit • SG80M Non-Optic Micromotor
- SG20 Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

OPTION

Wireless Link Tools (Surgic Pro2 x VarioSurg 3)

Connecting via the compact Wireless Link Set allows for operation of 2 surgical systems with a single wireless foot control.



MODEL	ORDER CODE
Link Module	Z1402001

- Link Box • Link Cable



MODEL	ORDER CODE
Link Stand2	Z1452001

Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro2 components.



MODEL	ORDER CODE
SG-CASE	Z313101

- Dimensions : W 279 x D 183 x H 34 mm

Carrying Case

Carrying case for components and accessories of Surgic Pro2



MODEL	ORDER CODE
Carrying Case	Y1004219

- Dimensions : W 534 x D 427 x H 207 mm

Osseo 100+

(implant Stability Measurement System)

The implant stability level can be set, facilitating safer implant treatment.

Manufacturer
Integration Diagnostics
Sweden AB



MODEL	ORDER CODE
Osseo 100+	Y1004176

iCart Duo

The Surgic Pro2 and VarioSurg 3 surgical systems and their accessories are efficiently and functionally housed in specialist carts.



MODEL	ORDER CODE
iCart Duo	S9090

- Dimensions : H 101.65 cm • Weight : 16.5 kg

Surgic Pro+

×

VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.
A brand new approach to implant and surgical treatment.

LINK 2 SYSTEMS

Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



Surgic Pro+

The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction

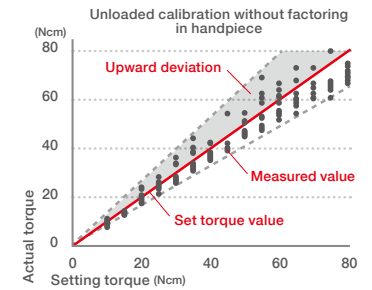
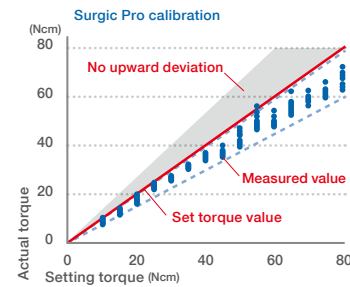
Maintaining Accurate Torque with AHC

NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments. There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.

LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	SGL70M	E1023001
—	SG70M	E1025001

- Solid titanium body
- with Cord 2 m

Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.



Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.

Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

Data Log Function

The Data Log function (Surgic Pro+ model only) can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

*Maximum internal memory capacity is 100 minutes

Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

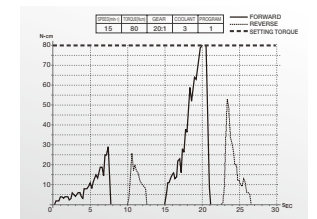
*USB memory stick not included.



Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

*File formats : csv or bmp



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L

Optic	MODEL	ORDER CODE
●	Surgic Pro+ OPT-D	Y1002096

Contents

- Control Unit with data storage facility
- SGL70M LED Micromotor • FC-78 Foot Control
- X-DSG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with X-SG20L

Optic	MODEL	ORDER CODE
●	Surgic Pro OPT	Y1001933

Contents

- Control Unit without data storage facility
- SGL70M LED Micromotor • FC-78 Foot Control
- X-SG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with SG20

Optic	MODEL	ORDER CODE
—	Surgic Pro NON-OPT	Y1001934

Contents

- Control Unit without data storage facility
- SG70M Non-Optic Micromotor • FC-78 Foot Control
- SG20 Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Specifications

[Control Unit with AHC]

- Power Supply : AC 230 V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems
- Dimensions : W 265 x D 220 x H 100 mm
- USB I/F : 1 Port (Surgic Pro+ Only)
- Built in Memory : 100 min (Surgic Pro+ Only)

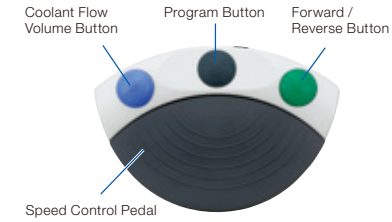
[Micromotor]

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min⁻¹
- Light Power (LED Micromotor) : over 32,000 LUX

[Foot Control]

- Foot Control Functions : Program Button, Speed Control Pedal, Coolant Flow Volume Button, Forward / Reverse Button

Foot Control



MODEL	ORDER CODE
FC-78	Z1102001

- With 2 m cord

Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro components.

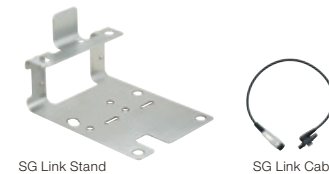


MODEL	ORDER CODE
SG-CASE	Z313101

- Dimensions : W 279 x D 183x H 34 mm

SG Link Set (Optional)

[Surgic Pro x VarioSurg 3]



MODEL	ORDER CODE
VarioSurg3 Link set (E)	Y1002729

- SG Link Stand • SG Link Cable

Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
Handle Set	Z1027001

Carrying Case (Optional)

Carrying case for components and accessories of Surgic Pro



MODEL	ORDER CODE
Carrying Case (Surgic Pro)	Y1001952

- Dimensions : W 534 x D 427 x H 207 mm

iCart Duo (Optional)

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
iCart Duo	S9090

- Dimensions : H 101.65 cm • Weight : 16.5 kg

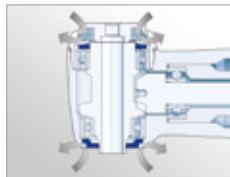
Implant Handpieces

Dismantlable Contra-angle Handling up to 80 Ncm of Torque



Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

Ti-Max X-DSG20L Dismantling Surgical Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20L	C1068
	—	X-DSG20	C1067

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

Ti-Max X-DSG20Lh Dismantling Surgical Handpiece Hexagon Chucking System



Hexagon Chucking System
Hexagon chucking system maintains high bur holding power at a high torque, enabling safe and stable operation. Can be used with regular burs as well.

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20Lh	C1076
	—	X-DSG20h	C1075

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

Implant Handpieces

Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Optic	MODEL	ORDER CODE
20:1 Reduction ●	X-SG20L	C1003

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

S-Max SG20



- Stainless Steel Body
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Optic	MODEL	ORDER CODE
20:1 Reduction —	SG20	C1010

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

Ti-Max nano SG20LS



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Optic	MODEL	ORDER CODE
20:1 Reduction ●	nanoSG20LS	C1103

SGX-E20R



- Stainless Steel Body
- Twist Chuck • Angle Handpiece
- External cooling
- For Osteotomy preparation / insertion of Zygoma implants for Maxillofacial / oral surgery
- Max. Torque : 50 Ncm
- Max. Speed : 2,000 min⁻¹

Optic	MODEL	ORDER CODE
20:1 Reduction —	SGX-E20R	HA1200

nano Series instruments are compatible with SQL70M micromotor and other motors with insert less than 23 mm.

Implant Handpieces

Ti-Max X-SG93L



Triple Spray



- Titanium Body with Scratch Resistant DURAGRIP
- For FG burs (ø1.6)
- Cellular Glass Optics (X-SG93L)
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 120,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:3 Increasing	●	X-SG93L	C1004
	—	X-SG93	C1007

Ti-Max X-SG65L Straight Handpiece



- Titanium Body with Scratch Resistant DURAGRIP
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG65L	H1009
	—	X-SG65	H1038

Ti-Max X-SG25L



- Titanium Body with Scratch Resistant DURAGRIP
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG25L	C1011

Ti-Max Z-SG45L



Triple Spray



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- Max. Speed : 120,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:3 Increasing	●	Z-SG45L	C1107
	—	Z-SG45	C1108

Micro Surgery Handpieces

Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	SGS-ES	H264



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹

	MODEL	ORDER CODE
1:2 Increasing	SGS-E2S	H266

20° Angle Handpieces

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	SGA-ES	H263



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹

	MODEL	ORDER CODE
1:2 Increasing	SGA-E2S	H265

Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.2:1 Reduction	SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.5:1 Reduction	SGO2-E	SH164






- 3° Sagittal
- With External Spray Nozzle









	MODEL	ORDER CODE
3.2:1 Reduction	SGT2-E	SH163



SGR2-E Blades for Reciprocating

MODEL		ORDER CODE
SGR-1	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900072
SGR-2	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900073
SGR-3	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900074

SGO2-E Blades for Oscillating

MODEL		ORDER CODE
SGO-1	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174034
SGO-2	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174044
SGO-3	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174031
SGO-4	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174041
SGO-5	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade 	H174032
SGO-6	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade 	H174042

SGT2-E Blades for Sagittal

MODEL		ORDER CODE
SGT-1	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900075
SGT-2	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900076

Osseo 100+



Removes Doubt

Osseo 100 measures implant stability to support decision making on when to load an implant. Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

Wireless connection with Surgic Pro2

Osseo 100+

Connectivity with Surgic Pro2

The ISQ value is transferred automatically when connected with Surgic Pro2. The Bluetooth® connection means that clinical procedures will be undisturbed.

Wireless data management

The measured ISQ can be shared and processed with data on external terminals via Surgic Pro2.



Stand-alone

Osseo 100

By mounting a Multipeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



3-step procedure

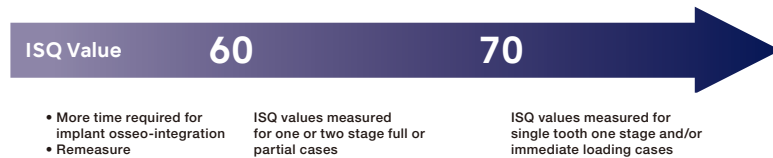
1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.



About ISQ

*The below is not a clinical recommendation from NSK.

Decreasing micro mobility with increasing ISQ values. By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.



1. Sennerby L Prof., Implantologie 2013; 21(1): 21-23
2. Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
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6. Daniel Rodrigo, Luis Aracil, Conchita Martín, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
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8. P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9. S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

REUTILIZABLE MultiPeg™

- For all major implant systems*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated



*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.

Wireless connection with Surgic Pro2 Osseo 100+

- Contents**
- Osseo 100+ Instrument • MultiPeg Driver
 - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.



Stand-alone Osseo 100

- Contents**
- Osseo 100 Instrument • MultiPeg Driver
 - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.

Specifications

- Power input : 5VDC, 1 VA
 - Charger input : 100-240 VAC, 5 VA
 - Instrument weight : 78 g
 - Battery full charge time : appx. 3 hours.*
 - Battery continuous drive time : appx. 1 hour.*
- *Varies depending on usage situations.

MODEL	ORDER CODE
Osseo 100+	Y1004176
Osseo 100	Y1004175

iSD900



Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

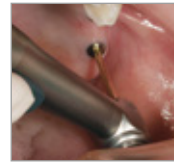
Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min⁻¹, 20 min⁻¹, and 25 min⁻¹ speeds according to procedure requirements.

*these may change according to the usage environment.



iSD900 Complete Set

MODEL	ORDER CODE
iSD900	Y1001358

Contents

- iSD900 Motor • iSD-HP • Quick Charger for iSD900
- Torque Calibrator • On/Off Switch Lever

Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min⁻¹
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min*
- Continuous Operation Time : Max 72 min*

VarioSurg 3



TRINITY

Out Standing Ultrasonic Performance

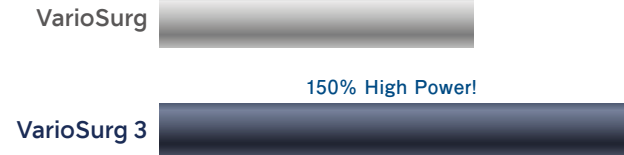
Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.



Stabilizing the Power Balance for More Efficient Procedures

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times. (Select tips according to clinical and power requirements)

*For more than 100% power, you must use the relevant tips.



Stable Cutting Through Feedback and Auto-tuning Functions

Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

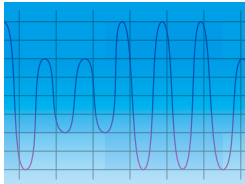
Auto-Tuning function

The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

Control Unit

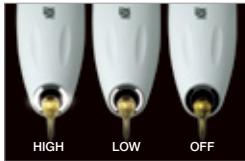
Compact Body and Large LCD Panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



Advanced BURST Mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



Illumination Intensity Adjustable LED Light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



Three Modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

Adjustable Irrigation Flow Rate

You can choose from five coolant flow levels with a maximum output of up to 75 mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

Memory Functions for Treatment Procedures and Program Setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

Handpiece

Super-slim Ergonomic Handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

LED Illumination for More Precise Treatments

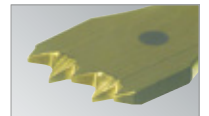
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.



Optic	MODEL	ORDER CODE
●	VS3-LED-HPSC	E1133

• with 2 m cord

The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.



VarioSurg 3



VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 3	Y1002726

Contents

- Control Unit • LED Handpiece with 2 m cord
- FC-78 Foot Control • Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications

Control Unit

- Frequency : 28-32 kHz
- Power Supply : AC 230 V 50/60 Hz
- Irrigation Flow Rate : 10-75 mL/min

- Programs : SURG x 5, ENDO x 2, PERIO x 2
- Dimensions : W 265 x D 220 x H 103 mm

VarioSurg 3 Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	VarioSurg 3 Non FT	Y1002248

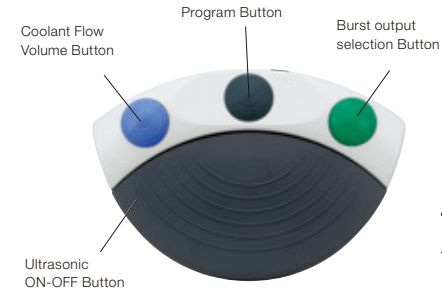
Contents

- Control Unit • LED Handpiece with 2 m cord
- Sterilization Cassette • Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Foot Control

Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



MODEL	ORDER CODE
FC-78	Z1102003

- With 2 m cord

Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
VA-SG-CASE	20001326

- Dimensions : W 281 x D 171.5 x H 47 mm
- Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders



Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
Carrying Case(VarioSurg 3)	Y1002768

- Dimensions : W 534 x D 427 x H 207 mm

Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

Bone Surgery



Extraction



Scraper



Socket Lift (Crestal Approach)



Sinus Lift



Implant Preparation



Sinus Membrane Detachment



Perio (Root Planing)



Scaling



Endodontics



Maintenance (V-Tip)

Perio-Control



Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
—	SG1	Z305101

SURG 150%	H-SG1	Z305151
------------------	--------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG1A	Z305138

- Dots mark 3, 6, 9, 12 and 15 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG2R	Z305102

- Right curved tip*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG2L	Z305103

- Left curved tip*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG8	Z305109

SURG 150%	H-SG8	Z305155
------------------	--------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG8A	Z305139

- Dots mark 3, 6, 9, 12 and 15 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8R	Z305156

- Marking every 2 and 4 mm from top of tip (Single side)
- Right curved tip* • Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8L	Z305157

- Marking every 2 and 4 mm from top of tip (Single side)
- Left curved tip* • Three teeth; 0.6 mm thick

Bone Surgery (TIN coating)



MODEL	ORDER CODE
-------	------------

SG14R **Z305122**

- Right curved tip*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

SG14L **Z305123**

- Left curved tip*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

SG19 **Z305135**

- Dot mark 3 mm from top of tip
- Five teeth; 0.8 mm thick



MODEL	ORDER CODE
-------	------------

SG30 **Z305137**

- Sharp edge
- 0.5 mm thick



MODEL	ORDER CODE
-------	------------

SG58 **Z305141**

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick

Scraper (TIN coating)



MODEL	ORDER CODE
-------	------------

SG3 **Z305104**

- Triple sided edge spatula tip



MODEL	ORDER CODE
-------	------------

SG4 **Z305105**

- Edge spatula tip



MODEL	ORDER CODE
-------	------------

SG5 **Z305106**

- Rounded edge spatula tip

Extraction (TIN coating)



MODEL	ORDER CODE
-------	------------

SG17 **Z305132**

- 0.7 mm thick



MODEL	ORDER CODE
-------	------------

SG18R **Z305133**

- Right angled tip* • 0.7 mm thick



MODEL	ORDER CODE
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SG18L **Z305134**

- Left angled tip* • 0.7 mm thick

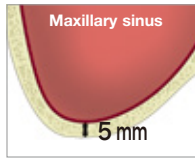
Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

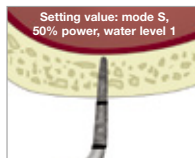
Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant $\phi 4.0$ mm.

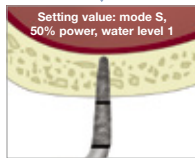
At the case of using VarioSurg



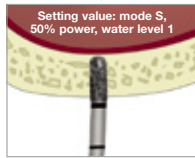
*A case of around 5 mm from the base of cortical bone to maxillary sinus.
 *Bone tissue is type 3 and good condition.
 *In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



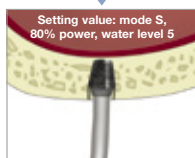
2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



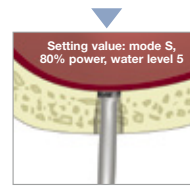
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



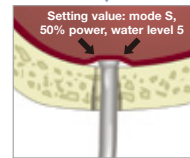
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



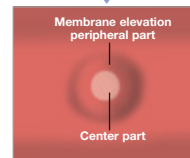
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



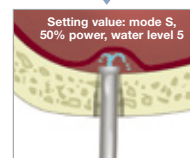
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



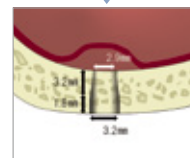
7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.



This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.



8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.



9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

Socket Lift (Crestal Approach)



MODEL	ORDER CODE
-------	------------

SCL1 **Z305170**

- Internal irrigation

MODEL	ORDER CODE
-------	------------

SCL1D **Z305171**

- Internal irrigation • Diamond coating

Socket Lift (Crestal Approach)



MODEL	ORDER CODE
SCL2D	Z305182

- Internal irrigation
- Diamond coating



MODEL	ORDER CODE
SCL3	Z305172

- Internal irrigation



MODEL	ORDER CODE
SCL3D	Z305173

- Internal irrigation
- Diamond coating



MODEL	ORDER CODE
SCL4D	Z305184

- Internal irrigation
- Diamond coating



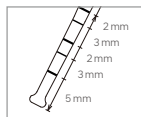
MODEL	ORDER CODE
SCL5	Z305174

- Internal irrigation



MODEL	ORDER CODE
SCL5D	Z305175

- Internal irrigation
- Diamond coating



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift



MODEL	ORDER CODE
SG6D	Z305107



MODEL	ORDER CODE
SG7D	Z305108

Sinus Membrane Detachment



MODEL	ORDER CODE
SG9	Z305110

- Flat circular convex elevator
- Angled at 90°



MODEL	ORDER CODE
SG10	Z305111

- Flat circular convex elevator
- Angled at 135°



MODEL	ORDER CODE
SG11	Z305112

- Cone compressor

Implant Preparation



MODEL	ORDER CODE
SG15A	Z305124

- Diameter of the tip end; 0.7 mm



MODEL	ORDER CODE
SG15B	Z305125

- Diameter of the tip end; 1.3 mm



MODEL	ORDER CODE
SG15C	Z305126

- Diameter of the tip end; 0.9 mm



MODEL	ORDER CODE
SG15D	Z305127

- Diameter of the tip end; 1.3 mm



MODEL	ORDER CODE
SG16A	Z305128

- Diameter; 2.0 mm



MODEL	ORDER CODE
SG16B	Z305129

- Diameter; 2.6 mm

Scaling



MODEL	ORDER CODE
G1-S	Z305113

Perio (Root Planing)



MODEL	ORDER CODE
P20-S	Z305114

- Straight tip



MODEL	ORDER CODE
P25R-S	Z305115

- Right curved tip*



MODEL	ORDER CODE
P25L-S	Z305116

- Left curved tip*

Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
-------	------------

V10-S	Z305117
--------------	----------------

- V-Tip Holder
- Includes E-Tip replacement wrench
- Plastic Tip is not included

MODEL	ORDER CODE
-------	------------

V-P10	Y900184
--------------	----------------

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

V-P12	Y1002167
--------------	-----------------

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

V-P11R	Y1002165
---------------	-----------------

- Right curved type*
- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

V-P11L	Y1002166
---------------	-----------------

- Left curved type*
- Pack of 3
- V10-S holder is not included

■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics



MODEL	ORDER CODE
-------	------------

E30RD-S	Z305118
----------------	----------------

- For posterior teeth (right angled)



MODEL	ORDER CODE
-------	------------

E30LD-S	Z305119
----------------	----------------

- For posterior teeth (left angled)



MODEL	ORDER CODE
-------	------------

E31D-S	Z305120
---------------	----------------

- For anterior and posterior teeth (70°)



MODEL	ORDER CODE
-------	------------

E32D-S	Z305121
---------------	----------------

- For anterior teeth (90°)

Tip Kits



**Bone Surgery / Scraper / Sinus Lift
Sinus Membrane Detachment**

MODEL	ORDER CODE
-------	------------

Basic H-S Kit	Y1002775
----------------------	-----------------

Contents

- H-SG1, SG3, SG5, SG6D, SG7D, SG11
- Tip holder



Bone Surgery

MODEL	ORDER CODE
-------	------------

Bone Cut Kit	Y900688
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Contents

- SG1, SG2R, SG4, SG2L, SG6D
- Tip holder



Sinus Lift

MODEL	ORDER CODE
-------	------------

Sinus Lift Kit	Y900689
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Contents

- SG1, SG3, SG6D, SG9, SG10, SG11
- Tip holder



Endodontics

MODEL	ORDER CODE
-------	------------

Endo-S Kit	Y900691
-------------------	----------------

Contents

- G1-S, E30RD-S, E30LD-S, E31D-S, E32D-S
- Tip holder

Tip Kits



Implant Preparation

MODEL	ORDER CODE
-------	------------

Implant Preparation Kit	Y900774
--------------------------------	----------------

Contents

- SG15A, SG15B, SG16A, SG16B
- Tip holder



Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
-------	------------

Socket Lift Kit for Regular Size Implant	Y1002841
---	-----------------

Contents

- SCL1D, SCL2D, SCL1
- VS Tip Wrench • Tip holder • Manual



Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
-------	------------

Socket Lift Kit for Wide Size Implant	Y1002842
--	-----------------

Contents

- SCL2D, SCL3D, SCL4D, SCL3
- VS Tip Wrench • Tip holder • Manual

NSK

2.10 Bar

iClave plus

Vacuum Sterize Dry Ready
Class B 1.3.4 5 min
1. UNIVERSAL

- 1. UNIVERSAL
- 2. DELICATE
- 3. FLASH
- 4. SMALL LOAD
- 5. PRION
- 6. CRITICAL 134 °C
- 7. CRITICAL 121 °C

AUTOCLAVE

iClave plus



Safer with more Capacity

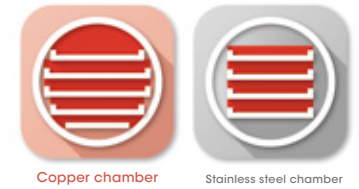
To maximise handpiece performance, handpieces need to be decontaminated correctly and safely. NSK's advanced know-how as a trusted global handpiece manufacturer realized the potential of a handpiece friendly autoclave through the launch of the iClave plus.

Use of a Copper Chamber to Match The Advanced Class B Cycle Sterilization Capacity and Efficiency Standards

Air turbines, contra-angles, and other dynamic dental instruments consist of high-precision micro mechanisms and therefore benefit from careful sterilization to maintain performance. NSK chose to use a highly conductive copper chamber to satisfy Class B, Europe's strictest sterilization standard. The system delivers outstanding efficiency despite its large capacity.

50% More Capacity Than Conventional Autoclaves

The iClave plus can fully use its 17.5 litre capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilization space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.



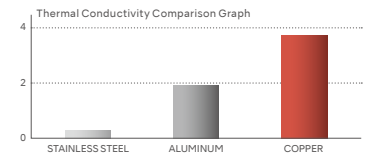
NSK Autoclave Benefits Include Combining High Heat Conductivity of Copper Chamber with Proprietary Heating System



Highly Thermal Conductive Copper Chamber with Even Temperatures

Using copper to construct the chamber gives 17.7 times more heat conductivity than stainless steel. The copper chamber retains even internal temperature levels throughout despite its large capacity.

Thermal Conductivity Differences of Materials

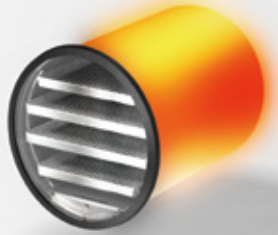


Copper's heat conductivity is 1.9 times and 17.7 times higher than that of aluminum and stainless steel, respectively.

ADAPTIVE HEAT SYSTEM

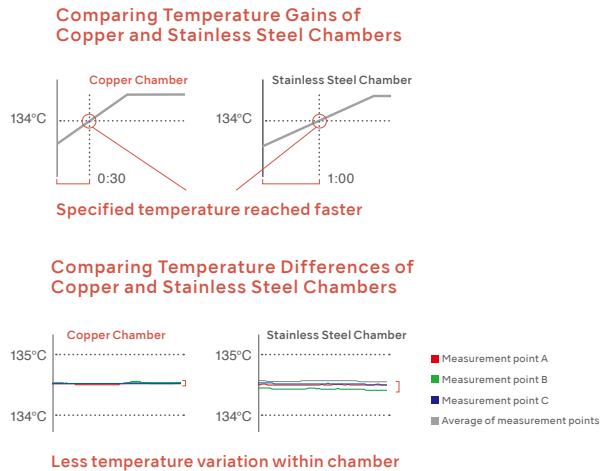
Advanced Heating System Leveraging Excellent Thermal Conductivity

NSK's innovative heating system optimizes the high heat conductivity of copper. Enveloping the copper chamber is a special heater which is also used in satellites, incorporating electro-thermal material embedded in silicone to heat the entire chamber evenly without heat loss.



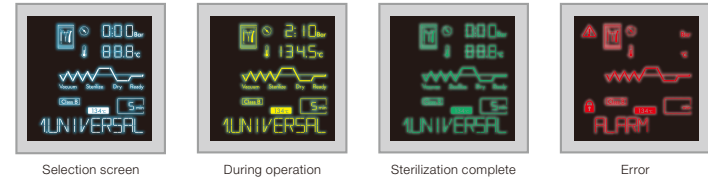
TEMPERATURE CHARACTERISTICS

In temperature measurements at three points inside the chamber, the copper model reached 134°C, the standard sterilization temperature, in about half the time of a stainless steel counterpart. There were no temperature variations at the three points measured in the copper chamber.



User-friendly, Easy to Read Operating Panel

With a sophisticated design and excellent visibility, the panel is easy to operate and maintain, with colors changing according to conditions, enhancing sterilization reliability.



Sterilization Cycle Data Recording

All sterilization cycles are recorded on a USB flash drive, and no special software is required to view and print records of all cycles. The system records all relevant cycle parameters against a unique date and time stamp.



Bacterial Filter for Greater Safety

The iClave plus ventilates air through a bacterial filter during the drying phase, eliminating the possibility of re-contamination.



Designed to Boost Product Reliability

Consistent temperatures inside the chamber eliminate fluctuation stresses and reduce the risk of problems. NSK initially reviewed product reliability to ensure safe treatment. There are three thermometers to control temperatures in the iClave plus. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

Stainless Steel Body Enhances Durability

The stainless steel body work, which is rare for an autoclave these days, makes iClave plus more robust. Together with the copper chamber it delivers outstanding durability.

Constantly Monitoring Working Parameters for Safe Operation

The process evaluation system constantly monitors pressure, temperature, water quality and steam. Additional features include cycle counter, altitude set-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.

iClave plus

EN13060 Class B



iClave plus Complete Set

MODEL	ORDER CODE
iClave plus 230V	Y1003077

Technical characteristics

- External dimensions : W 445 x D 584 x H 438 mm
- Chamber dimensions : ø240 x 384 mm
- Chamber capacity : 17,5 Liter
- Net weight : 45 kg
- Maximum power consumption : 1,920 W
- Supply Voltage CE : AC 230 V - 50/60 Hz
- Air expulsion system : Vacuum pump 1, 3, 4 vacuum
- Max Load : 4 kg (solid), 1,5 kg (porous)

External dimensions exclude protrusions.

	PROGRAMS	PARAMETERS			CLASS
1	UNIVERSAL	134°C	5 min	3 vacuum	B
2	DELICATE	121°C	20 min	3 vacuum	B
3	FLASH	134°C	3 min	2 vacuum	S
4	SMALL LOAD ¹	134°C	4 min	3 vacuum	B
5	PRION	134°C	18 min	3 vacuum	B
6	CRITICAL 134°C	134°C	5 min	4 vacuum	B
7	CRITICAL 121°C	121°C	20 min	4 vacuum	B
8	SPECIAL	105-135°C	3-90 min	2-4 vacuum	-

• Bowie & Dick : 134°C / 3,5 min / 3 vacuum • Vacuum test : 20 min
¹ small load : included hollow instruments type A and B (MAX 0,5 kg)

Optional Accessories

Regenerating Tabs



A special effervescent tablet for cleaning the chamber. Placed inside the chamber, it removes limescale and dirt residue from the boiler upon activating the cycle.

MODEL	ORDER CODE
Regenerating Tabs	DX0230050

Barcode Label Writer



Increases traceability levels by combining sterile instruments and patients.

MODEL	ORDER CODE
Barcode Label Writer	Z1281001

Kit Wifi



Device for storing the sterilization cycles' data on an external memory and send to any PC, tablet or smartphone via WIFI connection.

MODEL	ORDER CODE
Kit Wifi	599011

Helix Test



Class 2 steam penetration tests. Includes a tester and 250 indicators.

MODEL	ORDER CODE
Helix Test	9900059

Purity



RO water unit with built in filters providing high quality water for effective sterilisation. With direct water feed into the iClave plus.

MODEL	ORDER CODE
Purity	Z1284001



MAINTENANCE

iCare



Automatically Lubricates

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

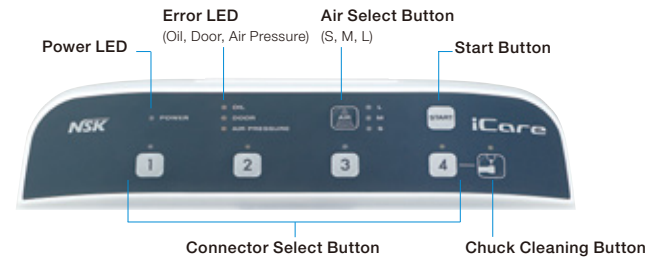
Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



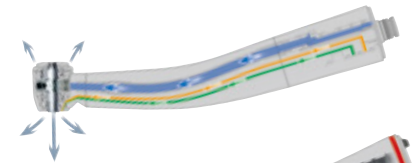
Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



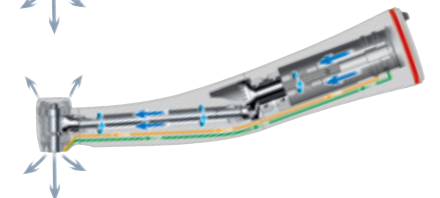
High Speed Handpieces

iCare meticulously lubricates the components of high speed handpieces.



Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



Purging Select Mode

After lubrication, you can select from appropriate modes offering different purge lengths - short, medium and long.



Hp Head Filter Prevents Mist Leaks (Optional)

Handpiece head filters are made to absorb any spray mist generated.



Solution Tank

iCare's big solution tank has a capacity of 1.2 litres allowing you to pour in a full one litre bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refilling.



Chuck Cleaning Function

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



Easy to Clean

iCare's front door can completely removed to allow fast, easy cleaning.



Accommodates Both NSK Handpieces and Those of Other Brands

NSK and all other brands of low speed handpieces connect directly to the fitting supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for connection of most other high speed brands.

Safe Operation with a Range of Alarm Functions

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution and an unclosed door.

Stylish and Compact

In the pursuit of 'ultimate ease-of-use', the iCare performs automatic maintenance of up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



iCare Complete Sets



Dual Standard Connectors + Dual Rotation Connectors

MODEL	ORDER CODE
iCare C2 Type	Y1002787



Single Standard Connector + Triple Rotation Connectors

MODEL	ORDER CODE
iCare C3 Type	Y1002788

Contents

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set
- Oil absorber sheet • Air tube

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²)
- Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 mm
- Solution Tank Capacity : 1.2 L




- Connects only to Midwest 4-hole type • An air line is necessary (5.0-6.0 kgf/cm²)
- Do not use iCare to lubricate air scalers (except NSK S970 series) and Phatelus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatelus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces manually with PANA SPRAY Plus.

iCare Adaptors

MODEL		ORDER CODE
PTL Adaptor	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	Z257010
B2/M4 Adaptor	• For Borden 2 hole High Speed Handpieces	T904
KV Adaptor	• For KaVo® High Speed Handpieces for Multiflex® LUX Coupling	Z257020
SR Adaptor	• For Sirona® High Speed Handpieces for Quick Coupling	Z257023
WH Adaptor	• For W&H® High Speed Handpieces for Roto Quick Coupling	Z257021
BA Adaptor	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	Z280022
MH Adaptor	• For Morita® High Speed Handpieces for Morita 4H Coupling	Z257048
F-Type Adaptor	• For ENDO-MATE TC2, DT2 Heads	Z280042

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Refill Maintenance Oil


MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
Maintenance Oil for iCare (1 Bottle, 1 Liter)		Z016130	Mist Filter Set		Y900159
			• Pack of 12		
			Oil Absorber Sheet		U433135
			• Pack of 10		









Multi Stands 

NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE	MODEL	ORDER CODE
Multi Stand Complete	Z036	Multi Stand for Phatelus	Z036002
• For NSK high speed and low speed attachments		• 3 x Adaptor A • 2 x Adaptor C	

Multi Stand Handpiece Adaptors 

MODEL		ORDER CODE
Adaptor A	 • For High speed handpieces and Phatelus air motors	Z036201
Adaptor B	 • For E-Type *Low speed handpieces and Phatelus air motor heads	Z036202
Adaptor C	 • For Phatelus and Mach couplings	Z036203
Adaptor KV	 • For KaVo® MULTIflex® LUX	Z036204
Adaptor SR	 • For Sirona® Quick Coupling	Z036205
Adaptor WH	 • For W&H® Roto Quick	Z036207
Adaptor BA	 • For Bien-Air® Unifix®	Z036206
Adaptor F	 • For ENDO-MATE TC2 / DT2 & iSD900 heads	Z036209

*E-Type: Conformable to ISO 3964.



PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.



MODEL	ORDER CODE
Pana Spray Plus Package	Y900630

- PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
 Tip Nozzle	Z020201

- For oiling handpiece chucks, air motors, and Midwest or Borden direct connection turbines.

Spray Mist Absorber

A convenient way to contain mist spray from escaping into the environment. Simply insert the handpiece into the Absorber Pack then apply the spray lubricant.

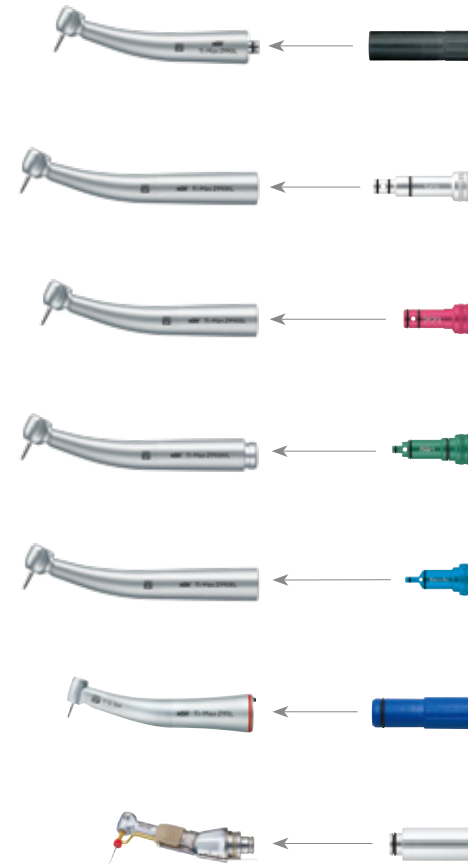


MODEL	ORDER CODE
Spray Mist Absorber	Y900084

- Pack of 10



PANA SPRAY Plus Nozzles



MODEL	ORDER CODE
Phatelus Spray Nozzle	P183090
• For High speed attachments and air motors which attach to Phatelus and Mach Couplings	
MODEL	ORDER CODE
KV Nozzle	Z090051
• For KaVo® MULTiflex® LUX	
MODEL	ORDER CODE
SR Nozzle	Z090052
• For Sirona® Quick Coupling	
MODEL	ORDER CODE
WH Nozzle	Z090054
• For W&H® Roto Quick	
MODEL	ORDER CODE
BA Nozzle	Z090053
• For Bien-Air® Unifix®	
MODEL	ORDER CODE
E-Type Spray Nozzle	Z019090
• For E-Type* attachments	
MODEL	ORDER CODE
F-Type Spray Nozzle	Z256090
• For ENDO-MATE TC2 / DT2 & ISD900 heads	

Multi Gauge









Measures handpiece tubing pressure. This includes drive air and water pressures. Where applicable it also measures exhaust air and coolant air. Midwest 4 hole and Borden 2/3 hole fittings are available.










MODEL	ORDER CODE
MG-4H	Z109400
• For Midwest 4 hole & Lux Coupling	
MODEL	ORDER CODE
MG-2/3H	Z109200
• For Borden 2/3 hole	

*E-Type: Conformable to ISO 3964.

Handpieces Air Pressures

MODEL	Air Pressures MPa (kgf/cm ²)
Air Turbine	
 Ti-Max Z	PTL, KL: 0.25-0.42 MPa (2.5-4.2 kgf/cm ²) SL: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²) BL: 0.25-0.32 MPa (2.5-3.2 kgf/cm ²) WL: 0.25-0.33 MPa (2.5-3.3 kgf/cm ²)
 S-Max M	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
 S-Max pico	PTL: 0.20-0.25 MPa (2.0-2.5 kgf/cm ²) KL, SL, WLED : 0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
 Ti-Max X450	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
 Pana-Max PLUS2	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
 Pana-Max2	0.20-0.25 MPa (2.0-2.5 kgf/cm ²)
 PRESTO AQUA II	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
 PRESTO II	0.20-0.25 MPa (2.0-2.5 kgf/cm ²)

MODEL	Air Pressures MPa (kgf/cm ²)
Air Motor	
 Ti-Max X205L	0.20-0.25 MPa (2.0-2.5kgf/cm ²)
 S-Max M205	
 FX205m	
Oral Hygiene	
 Ti-Max S970	0.30 MPa (3.0 kgf/cm ²)
 AS2000	0.28 MPa (2.8 kgf/cm ²)
 Prophy-Mate neo	0.27-0.40 MPa (2.7-4.0 kgf/cm ²)
 Perio-Mate	0.30-0.40 MPa (3.0-4.0 kgf/cm ²)



DENTAL LABORATORY

ULTIMATE XL series



Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.

Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type —
ULTIMATE XL



UMXL-G

— Tower type —
ULTIMATE XL-D



UMXL-D

— Knee type —
ULTIMATE XL-K



UMXL-K

— Floor type —
ULTIMATE XL-F



UMXL-F

ULTIMATE XL

Bench Top System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
Torque	UMXL-GT	Y141469
Compact	UMXL-GC	Y141470

Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 2.8 kg
- Dimensions : W 167 x D 247 x H 77 mm

ULTIMATE XL-K

Knee Control System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.2 kg
- Dimensions : W 90 x D 270 x H 230 mm

ULTIMATE XL-D

Bench Top Tower System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-DT	Y141504
Compact	UMXL-DC	Y141505

Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.3 kg
- Dimensions : W 81 x D 270 x H 230 mm

ULTIMATE XL-F

Floor Type Foot Control System



Features

- Speed of 1,000-40,000 min⁻¹
- Auto Cruise Function
- Available to connect with an air turbine adaptor
- Brushless

* Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min⁻¹.

	MODEL	ORDER CODE
Torque	UMXL-FT	Y141513
Compact	UMXL-FC	Y141514

Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.8 kg
- Dimensions : W 230 x D 292 x H 113 mm



ULTIMATE XL

Features

- Ripple-free smooth rotation with 180° vector control system
- Powerful and stable torque across the entire speed range
- Easy-to-hold handpiece design ensures precision
- Lightweight compact body reduces hand fatigue and improves balance
- Unique dust-proof mechanism prevents contamination therefore achieving higher durability
- Minimal vibration, and noise from hermetically shielded micromotor unit
- Approximately 30% increased chuck strength enables you to work on a wider variety of materials
- Brushless



Torque Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
UMXL-T 2M	Y141441

- Dimensions : L 151 x ø29 mm
- Weight : 215 g (Cord not included)
- Cord Length : 2 m



Compact Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-C 2M	Y141445

- Dimensions : L 144 x ø27 mm
- Weight : 181 g (Cord not included)
- Cord Length : 2 m



E-type Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-EM 2M	E342002

- Dimensions : L 118 x ø27 mm
- Weight : 129 g (Cord not included)
- Cord Length : 2 m

Turbine Adaptor TA50

For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
TA50	U375

- Turbine adaptor
- W 75 x D 100 x H 30 mm

Air turbine



PRESTO AQUA II



PRESTO II

Turbine Adaptor TA50



* The air turbine is operated via the ULTIMATE XL foot control.



ULTIMATE XL-D



ULTIMATE XL-K



ULTIMATE XL-F

VOLVERE i7



Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Overload alarm system

Standard Micromotor

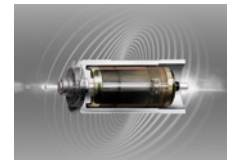


E-Type Micromotor



High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration & Low Noise



VOLVERE i7 Complete Sets

	MODEL	ORDER CODE
Standard	VOLVERE i7 RM	Y1003493
E-Type Without Handpiece	VOLVERE i7 E	Y1003494

Contents

- Control unit
- Micromotor Handpiece
- Foot control
- Handpiece Stand

Specifications

[Control Unit]

- Power Supply : AC 230 V 50/60 Hz
- Dimensions : W 69 x D 185 x H 167 mm
- Weight : 930 g

[Standard Type Motor Handpiece]

- Speed : 1,000-35,000 min⁻¹
- Max. Torque : 4.1 Ncm
- Dimensions : L 145 x ø24.5 mm
- Weight : 192 g (without cord)
- Cord Length : 1.2 m

[E-Type Motor Handpiece]

- Speed : 1,000-35,000 min⁻¹
- Max. Torque : 4.1 Ncm
- Dimensions : L 109.3 x ø24.5 mm
- Weight : 118 g (without cord)
- Cord Length : 1.2 m

PRESTO series

PRESTO AQUA II

Lube Free Air Turbine Handpiece with Water Spray

Advantages

- Simple and easy removal of the water bottle
- Seamless adjustments of water volume and spray air
- On-off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



PRESTO AQUA II Complete Set

MODEL	ORDER CODE
PRESTO AQUA II	Y150023

Contents

- PRESTO AQUA II unit
- PRESTO AQUA handpiece
- QD-J B3 coupling
- Hose for PRESTO AQUA II
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO AQUA Handpiece

- 320,000 min⁻¹
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



MODEL	ORDER CODE
PRA-HP	T816

- PRESTO AQUA handpiece

PRESTO II

Lube Free Air Turbine Handpiece

Advantages

- Lightweight and compact



PRESTO II Complete Set

MODEL	ORDER CODE
PRESTO II	Y150022

Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



MODEL	ORDER CODE
PR-HP	T815







- Includes 2 m hose






SPARE PARTS / COMPONENTS

SPARE PARTS / COMPONENTS



Ti-Max Z Series P.26-27

MODEL	PRODUCTS	ORDER CODE
SX3-MU03 Cartridge for Micro head		PA2307X001
TiZ9-MU03 Cartridge for Miniature head		PA2380X001
TiZ9-SU03 Cartridge for Standard head		PA2381X001
SX-NU04 Head cap for Micro head		PA2307X050
TiZ9-MU04 Head cap for Miniature head		PA2380X050
TiZ9-SU04 Head cap for Standard head		PA2381X050

S-Max M Series P.30-31





MODEL	PRODUCTS	ORDER CODE
SX3-MU03 Cartridge for Miniature head		P1280
SX3-SU03 Cartridge for Standard head		P1281
PTL O-ring Set (Pack of 5)		Y900580

S-Max pico Series P.34-35


MODEL	PRODUCTS	ORDER CODE
SX-PU03 Cartridge for S-Max pico		P1140200
PTL O-ring Set (Pack of 5)		Y900580

Ti-Max X450 Series P.40-41

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set For Micro head (Pack of 5)		Y900580
S970 O-ring Set For Miniature head & Standard head (Pack of 4)		Y1001953
SX-NU05 Head cap wrench for Micro Head		PA2307X765
TiZ9-SU05 Head cap wrench for Miniature head & Standard head		PA2381X765
Cleaning Wire		Z144101

MODEL	PRODUCTS	ORDER CODE
SX-MU04 Head cap for Miniature head		P1001500
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

MODEL	PRODUCTS	ORDER CODE
SX-PU04 Head cap for S-Max pico		P1140500
SX-PU05 Head cap wrench for S-Max pico		20002803



Couplings P.16-17


MODEL	PRODUCTS	ORDER CODE
Anti-Retraction Valve		P401054

Pana-Max PLUS2 P.42-43

MODEL	PRODUCTS	ORDER CODE
SX3-MU03 Cartridge for Miniature head		P1280
SX3-SU03 Cartridge for Standard head		P1281
SX-MU04 Head cap for Miniature head		P1001500

MODEL	PRODUCTS	ORDER CODE
Pana-Max2 P.46-47		
PAX2-SU03 Cartridge		P1190
PAX2-SU04 Head cap		P1190050




MODEL	PRODUCTS	ORDER CODE
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

MODEL	PRODUCTS	ORDER CODE
PAX2-SU05		P1190765

SPARE PARTS / COMPONENTS





FX Series P.70-71

MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25m		C1052500
FX25-03 Cartridge for FX25m		C1052700
FX Spray nozzle For FX25m/FX15m		C1052702
Spray Nozzle For FX22		C032701



MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For FX65m		H019711
FX Wrench For FX25m		C1052701
Tube		Z166101

EX Series P.72-73

MODEL	PRODUCTS	ORDER CODE
FPB-03 Cartridge for FPB		C875060
NAC-03 Cartridge for NAC		C030011
BB-03 Cartridge for BB		C037015
Spray Nozzle For NAC, BB, FPB, TEP		C032701
FPB-02 Middle Gear		C875012

MODEL	PRODUCTS	ORDER CODE
NAC-02 Middle Gear		C032012
Cap Wrench For AR-Y(S)		C185751
Cap Wrench (Black)		C071751
Tube		Z166101


















NLZ P.80-81

MODEL	PRODUCTS	ORDER CODE
NLZ STAY		Z1321
NLZ MOUNTING PLATE		Z1323





MODEL	PRODUCTS	ORDER CODE
NLZ CDL (2,2 m)		E1152062





Varios Combi Pro P.98

MODEL	PRODUCTS	ORDER CODE
Chamber For Prophy use		U1135018
Chamber For Perio use		U1135019
Handpiece Hose For Prophy use		T1051001
Handpiece Hose For Perio use		T1053001
Powder Handpiece For Prophy use		T1074001
Powder Handpiece For Perio use		T1077001
Nozzle For Prophy use		T1074012
Nozzle For Perio use		T1077012
VCP Bottle Set Bottle and Cap		U1135017
VA2-LUX-HP Optic Handpiece		E351050
VA2LUX-SC Handpiece Cord for VA2LUX		E351054
FC-79 Foot Control		Z1256001
Water Filter Set 3.6 m		U1135078
Water Filter		U387042
Water Filter Set		Y900069
Water Pressure Reducing Valve		U1135093
CR-10 Tip Wrench		Z221076

MODEL	PRODUCTS	ORDER CODE
Tip Holder		Z221A080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Irrigation Pump		U1135079
O-ring set Chamber Base Connector (Pack of 5)		Y1003435
Chamber Cap		U1135089
O-ring For Chamber Cap		Y1003545
O-ring set Irrigation Bottle		Y1003544
O-ring 1 for the Handpiece Cord		Y1003546
O-ring set Handpiece Hose		Y1003500
O-ring set Nozzle		Y1003501
Air Hose 3.6 m		D0914406036
Spanner Wrench 5x8 (Pack of 2)		Y1001301
Ring Wrench		T1074601
E Tip Replacement Wrench		Z217399
Perio Mate Nozzle Tip (Pack of 40)		Y1002741

Varios Combi Pro P.98

MODEL	PRODUCTS	ORDER CODE
Nozzle Tip Remover		T1043751
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095















MODEL	PRODUCTS	ORDER CODE
Cleaning File		T798092
Cleaning Brush		T798093
Unlocking tool		U1135256
Fuse		D1202220010















Varios 970 / 370 / 170 P.113-115

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Optic Handpiece		E351050
VA2-HP Non-Optic Handpiece		E350050
VA970LUX-SC Handpiece Cord for Varios 970 LUX		E351055
VA970-SC Handpiece Cord for Varios 970		E350055
VA170LUX-SC Handpiece Cord for Varios 170 LUX		E351056
VA170-SC Handpiece Cord for Varios 170		E350056
FC-70 Foot Control (2.5 m)		Z1008001
FC-71 Foot Control (5 m) for Varios 370		Z1008002
AC Adaptor (5 m) For Varios 370		Y1001792
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040
Water Filter Set (4 m) For Varios 370 2 water supply tube, water filter, water filter case		U1007080
Water Supply Tube (2 m)		U387580
Water Supply Tube (4 m) For Varios 370		D0914406040
Water Filter Case		Y900069
Water Filter		U387042
Tube Ring (Pack of 2)		Y900077

MODEL	PRODUCTS	ORDER CODE
CR-10 Tip Wrench		Z221076
E Tip Replacement Wrench		Z217399
Tip Holder		Z221A080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Handpiece Holder For Varios 370		10001505
VA Bottle 400 (400 mL) For Varios 970		Z1047002
Irrigation Pump For Varios 970		10000643
O-ring For Handpiece Cord		D0310020080
O-ring Thin section For VA Bottle 400		D0312090100
O-ring Thin section For VA Bottle 400		D0310075150
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259
Control Unit Holder For Varios 370		Y1001812
Spanner Wrench 5x8 (Pack of 2)		Y1001301

S970 / AS2000 Air Scaler P.138-140

MODEL	PRODUCTS	ORDER CODE
CR-20 Tip Replacement Wrench with Torque Limiter		Z1090001
E Tip Replacement Wrench		Z217399
Tip Holder		Z252A080
Prophy-Mate neo P.102		
MODEL	PRODUCTS	ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010
Nozzle 60°		T797012
Nozzle 80°		T797013
Powder Case Cover		T798133
Gasket		T798135
O-ring Front Nozzle		D0312039070
O-ring neo Rear Nozzle		D0312029070
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Blower Nozzle-PTL neo		T798094

MODEL	PRODUCTS	ORDER CODE
Tip Cover L		Z217850
Tip Cover S		Z217851
S970 O-ring Set (Pack of 4) For S970		Y1001953
Blower Nozzle-KV neo		T886094
Blower Nozzle-SR neo		T887094
Blower Nozzle-WH neo		T888094
Blower Nozzle-BA neo		T889094
Blower Nozzle-M4 neo		T884094
Blower Nozzle-B2 neo		T885094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

Perio-Mate P.106

MODEL	PRODUCTS	ORDER CODE
PER-HP		T1043010
Nozzle		T1043012
Powder Case Cover		T798133
Gasket		T798135
O-ring Front Nozzle		D0312039070
O-ring PER Rear Nozzle		D0312023060
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Nozzle Tip Remover		T1043751
Blower Nozzle-PTL PER		T1042094

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV PER		T1044094
Blower Nozzle-SR PER		T1046094
Blower Nozzle-WH PER		T1048094
Blower Nozzle-BA PER		T1050094
Blower Nozzle-M4 PER		T1052094
Blower Nozzle-B2 PER		T1054094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

ENDO-MATE TC2 P.151, 155

MODEL	PRODUCTS	ORDER CODE
Ni-MH Rechargeable Battery (Pack of 2)		Y900103
Battery Charger		U614
Power Cord		U439551

ENDO-MATE DT2 P.153

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT2 Motor and Cord		E1169001
ENDO-MATE DT adaptor		U480
Handpiece stand		Z095205
Cord For MPA / MPAS		C876021

ENDO-MATE TC2 / ENDO-MATE DT2 Heads P.155

Heads for Endodontic Application

MODEL	PRODUCTS	ORDER CODE
MP-Y Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C547
MPA-Y Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C548

iPexII P.157

MODEL	PRODUCTS	ORDER CODE
iPexII File Clip		U1109351
iPexII Tester		U1109353

MODEL	PRODUCTS	ORDER CODE
Cord For MPA / MPAS		C876021
Connection Cord Clip		C876509

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

MODEL	PRODUCTS	ORDER CODE
Connection Cord Clip		C876509
Rechargeable battery		U421070
F-Type Spray Nozzle		Z256090

MODEL	PRODUCTS	ORDER CODE
MPAS-Y Connection for Apex locator (for short shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C882














MODEL	PRODUCTS	ORDER CODE
iPexII Probe		U1109352
Lip Hook		U501513







Dentalone P.161

MODEL	PRODUCTS	ORDER CODE
Saliva ejector with connector		57064
Hose		57064-1
Screwing cap suction, assembled		57068
Suction bottle complete		57072
Screwing cap water, assembled		57069
Water tank complete		57073
Cover assembled		57082
Socket assembled		57088

MODEL	PRODUCTS	ORDER CODE
NLX motor cord		37074
Cord for Scaler Varios 170		37075
FC-76 Foot Control		Z1082
Syringe tip		37066
Saliva ejector sieve		37064.6
Saliva ejector adaptor		37064.7
Sterilization case		Z1035001
CR-10 Tip Wrench		Z221076





VIVA ace P.167

MODEL	PRODUCTS	ORDER CODE
isoE-LUX		Z1265
V-ace Vacuum Nozzle (Pack of 10)		U1146088
V-ace Vacuum Hose Set		U1144074
V-ace Vacuum Bottle Set		U1146070
V-ace Vacuum Bottle Cap		UA11440195
V-ace Suction Waste Bottle		U1146075
VS Suction Waste Bottle Lid		Z1240051
Filter including O-Ring		UA11440189
O-Ring for Filter		D0312128060
V-ace 3 way Syringe Set		U1144040
V-ace 3 way Syringe Nozzle		U1144046
V-ace Vacuum Junction Hose		U1144753
Vacuum Cap A		U1144750

MODEL	PRODUCTS	ORDER CODE
Vacuum Cap B		U1144751
Hose Cap		U1144752
V-ace Water Bottle Set		U1146080
V-ace Water Bottle Cap		UA11460103
V-ace Water bottle		U1146085
FC-76S Foot Control		Z1082005
FC-70S Foot Control		Z1008006
AC Power Cord		U439551
Shoulder Belt		U1144370
Gasket For Water Bottle		U1144729
Gasket For Vacuum Bottle		U1144636
Gasket For Vacuum Bottle		Z1137352

SPARE PARTS / COMPONENTS

VIVAMATE G5 P.169





MODEL	PRODUCTS	ORDER CODE
VIVAMATE G5 230V Control unit		U1068004
VMG30EM MC VIVAMATE G5 Micromotor with Cord		E1069002
FC-76M Foot Control <small>(Optional)</small>		Z1082002
Handpiece Stand		Z095205

Surgic Pro2 P.180-181

MODEL	PRODUCTS	ORDER CODE
SSL80M Optic Motor & Cord		Y1004211
SG80M Non-Optic Motor & Cord		Y1004212
Tube Holder	 <small>(Pack of 7)</small>	E1198105
FC-81 FOOT CONTROL WIRELESS		Z1401001
Coolant Solution Hanger Post		U370152
Irrigation Tube <small>(Pack of 5)</small>		Y900113

Surgic Pro2 / VarioSurg 3 P.181





MODEL	PRODUCTS	ORDER CODE
Link Stand2		Z1452001

MODEL	PRODUCTS	ORDER CODE
Battery Pack		U1068052
AC Adaptor For VIVAMATE G5		U1115
AC Power Cord		U439551
Carrying Set For VIVAMATE G5		Y1002171

MODEL	PRODUCTS	ORDER CODE
AC Power Cord		U198013
Handpiece Stand		Z1402110
Tube Holder <small>(Pack of 7)</small>	 <small>(Pack of 7)</small>	Y900083
Protection Plug	 <small>(Pack of 7)</small>	10001595
SG-CASE Sterilization Cassette	 <small>(Pack of 5)</small>	Z313101

MODEL	PRODUCTS	ORDER CODE
Link Module		Z1402001




Surgic Pro P.186-189

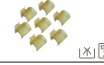
MODEL	PRODUCTS	ORDER CODE
Tube Holder	 <small>(Pack of 7)</small>	E295105
Handpiece Stand	 <small>(Pack of 7)</small>	Z1029201
Coolant Solution Hanger Post		U370152
Irrigation Tube <small>(Pack of 5)</small>		Y900113

Surgic Pro / VarioSurg 3 P.189



MODEL	PRODUCTS	ORDER CODE
SG Link Stand		Z1176

Implant Handpieces P.191-193

MODEL	PRODUCTS	ORDER CODE
Internal Spray Nozzle	 <small>(Pack of 7)</small>	10000324
Nozzle Holder X-SG20L / nanoSG20LS X-DSG20Lh, X-DSG20h X-DSG20L, X-DSG20	 <small>(Pack of 7)</small>	20000396
Nozzle Holder For SG20	 <small>(Pack of 7)</small>	20000357

MODEL	PRODUCTS	ORDER CODE
Handle Set		Z1027001
Tube Holder <small>(Pack of 7)</small>	 <small>(Pack of 7)</small>	Y900083
Protection Plug	 <small>(Pack of 7)</small>	10001595
SG-CASE Sterilization Cassette	 <small>(Pack of 5)</small>	Z313101

MODEL	PRODUCTS	ORDER CODE
SG Link Cable		Z1189

MODEL	PRODUCTS	ORDER CODE
Y-Connector		C823752
Cleaning Wire		20000512





Micro Surgery Handpieces P.196

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGS, SGA		H263018




Micro Saw Handpieces P.198-199

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGR, SGT, SGO		SH162035

Osseo 100/100+ P.203

MODEL	PRODUCTS	ORDER CODE
MultiTeg Driver		55003
Sterile cover		55105
Mains adapter		55263
EU plug		55264

iSD900 P.205

MODEL	PRODUCTS	ORDER CODE
Quick Charger for iSD900		U1070001
Power Cord		U439551
Torque Calibrator		Z1056001

Zygomatic Implant Handpiece P.193

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGX-E20R		HA12000122

MODEL	PRODUCTS	ORDER CODE
Spanner 8x5		K040751

MODEL	PRODUCTS	ORDER CODE
UK plug		55265

MODEL	PRODUCTS	ORDER CODE
AU plug		55266
US plug		55267

MODEL	PRODUCTS	ORDER CODE
Calibration Bur		Z1057101

MODEL	PRODUCTS	ORDER CODE
On/Off Switch Lever		Z1070001

MODEL	PRODUCTS	ORDER CODE
Ni-MH Rechargeable Battery (Pack of 2)		Y900103

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

VarioSurg 3 P.209-225

MODEL	PRODUCTS	ORDER CODE
E Tip Replacement Wrench For V10-S		Z217399


MODEL	PRODUCTS	ORDER CODE
CR-40 For SG1A, SG8A, Socket Lift Tip VS Tip Wrench		Z305350

MODEL	PRODUCTS	ORDER CODE
CR-30 Tip Wrench		10000977

MODEL	PRODUCTS	ORDER CODE
Tips Holder		20001327

MODEL	PRODUCTS	ORDER CODE
Handpiece Stand		Z1029201

iCare P.239

MODEL	PRODUCTS	ORDER CODE
Chuck Cleaning Nozzle		Z257301

MODEL	PRODUCTS	ORDER CODE
Air Filter		U508352

MODEL	PRODUCTS	ORDER CODE
Saline Solution Hanger Post		U564152


MODEL	PRODUCTS	ORDER CODE
Irrigation Tube (Pack of 5)		Y900113

MODEL	PRODUCTS	ORDER CODE
Tube Holder (Pack of 7)		Y900767

MODEL	PRODUCTS	ORDER CODE
VA-SG-CASE Sterilization Cassette		20001326

MODEL	PRODUCTS	ORDER CODE
HP Head Filter (Pack of 200)		U1120118





ULTIMATE XL / XL-D / XL-K / XL-F P.250-252

MODEL	PRODUCTS	ORDER CODE
UMXL-TM Motor Torque type (with 1.2 m cord)		E355
UMXL-CM Motor Compact type (with 1.2 m cord)		E356
UMXL-TM 2 M Motor Torque type (with 2 m cord)		E355002
UMXL-CM 2 M Motor Compact type (with 2 m cord)		E356002
UHRXL-T Attachment Torque type		H269
UHRXL-C Attachment Compact type		H271
Motor Cord T (Torque type 1.2 m)		E355051
Motor Cord C (Compact type 1.2 m)		E356051
Motor Cord T 2M (Torque type 2 m)		E355055
Motor Cord C 2M (Compact type 2 m)		E356055









VOLVERE i7 P.255

MODEL	PRODUCTS	ORDER CODE
GX35RM-B & SCD Motor + cord		E1179
GX35EM-B & SCD E-type motor + cord		E1180
UHR45C Handpiece for GX35RM-B		H203002
VR-EB E-Type Handpiece		H1062
Carbon Brush For GX35RM-B / GX35EM-B (Pack of 2)		E023011S


MODEL	PRODUCTS	ORDER CODE
FC-64 Foot Control (For XL / XL-D)		Z304
Handpiece Stand (wrench is not included)		Z095201
Suspension Handpiece Cradle (For XL)		Z083
Chuck-2.35A		H203A180A
Handpiece Holder For XL		Y900770
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751
Bracket Set For XL-D / XL-K		U364090
Fuse-T1.6A		D1202216010




MODEL	PRODUCTS	ORDER CODE
Chuck-2.35A		H203A180A
FC-76 Foot Control		Z1082
Handpiece Stand		Z095205
Wrench for Adjusting Chuck		K015751





PRESTO AQUA II P.256

MODEL	PRODUCTS	ORDER CODE
Hose for PRESTO AQUA II		Z308050
PR-AQ03 PRESTO AQUA Cartridge		T816016
Chuck		T815019
AFC-40 Foot Control		Z127
Secondary Hose for PRESTO (2 m)		Z101240
Water Filter Set (2 m) (2 water supply tube, water filter, water filter case)		U387040
Water Filter with Case		Y900069
Water Filter		U387042

PRESTO II P.257

MODEL	PRODUCTS	ORDER CODE
Handpiece Stand		Z010134
AFC-40 Foot Control		Z127
PR-03 PRESTO Cartridge		T815016
Chuck		T815019
Hose for PRESTO (2 m)		T815220

MODEL	PRODUCTS	ORDER CODE
Tube Ring (Pack of 2)		Y900077
PRA II Bottle Set		Z308040
PRA II Bottle Lid		Z308041
PRA II Bottle		Z308601
PRA II Bottle O-ring set (Pack of 2)		Y900327
Bracket Set		Z308060
Chuck Wrench		C034751
Bur-inserting Tool		T815030

MODEL	PRODUCTS	ORDER CODE
Secondary Hose for PRESTO (2 m)		Z101240
LAB Spanner Wrench		H005751
Chuck Wrench		C034751
Bur-inserting Tool		T815030

Turbine Cartridges Quick Guide

Handpiece		Cartridge		Head Cap	
PRODUCT NAME		MODEL	ORDER CODE	MODEL	ORDER CODE
Z micro	Ti-Max Z micro	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z micro KL	Ti-Max Z micro KL	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z micro SL	Ti-Max Z micro SL	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z890L	Ti-Max Z890L	TiZ9-MU03	PA2380X001	TiZ9-MU04	PA2380X050
Z890KL / Z890SL	Ti-Max Z890KL / Z890SL	TiZ9-MU03	PA2380X001	TiZ9-MU04	PA2380X050
Z890WL / Z890BL	Ti-Max Z890WL / Z890BL	TiZ9-MU03	PA2380X001	TiZ9-MU04	PA2380X050
Z990L	Ti-Max Z990L	TiZ9-SU03	PA2381X001	TiZ9-SU04	PA2381X050
Z990KL / Z990SL	Ti-Max Z990KL / Z990SL	TiZ9-SU03	PA2381X001	TiZ9-SU04	PA2381X050
Z990WL / Z990BL	Ti-Max Z990WL / Z990BL	TiZ9-SU03	PA2381X001	TiZ9-SU04	PA2381X050
M800L / M800	S-Max M800L / M800	SX3-MU03	P1280	SX-MU04	P1001500
M800KL / M800SL	S-Max M800KL / M800SL	SX3-MU03	P1280	SX-MU04	P1001500
M800WL / M800BL	S-Max M800WL / M800BL	SX3-MU03	P1280	SX-MU04	P1001500
M900L / M900	S-Max M900L / M900	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
M900KL / M900K	S-Max M900KL / M900K	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
M900SL	S-Max M900SL	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
M900WL / M900W	S-Max M900WL / M900W	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
M900BL	S-Max M900BL	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
S-Max pico	S-Max pico	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico KL	S-Max pico KL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico SL	S-Max pico SL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico WLED	S-Max pico WLED	SX-PU03	P1140200	SX-PU04	P1140500
X450L	Ti-Max X450L	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450KL / X450SL	Ti-Max X450KL / X450SL	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450WLED / X450BLED	Ti-Max X450WLED / X450BLED	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
PAP2-MU M4	Pana-Max PLUS2 MU M4	SX3-MU03	P1280	SX-MU04	P1001500
PAP2-SU M4	Pana-Max PLUS2 SU M4	SX3-SU03	P1281	SX-SU04 (YOS)	P1027500
Pana-Max2 M4	Pana-Max2 M4	PAX2-SU03	P1190	PAX2-SU04	P1190050
Pana-Max2 B2	Pana-Max2 B2	PAX2-SU03	P1190	PAX2-SU04	P1190050
PRA-HP	PRESTO AQUA Handpiece	PR-AQ03	T816016	-	-
PR-HP	PRESTO Handpiece	PR-03	T815016	-	-

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