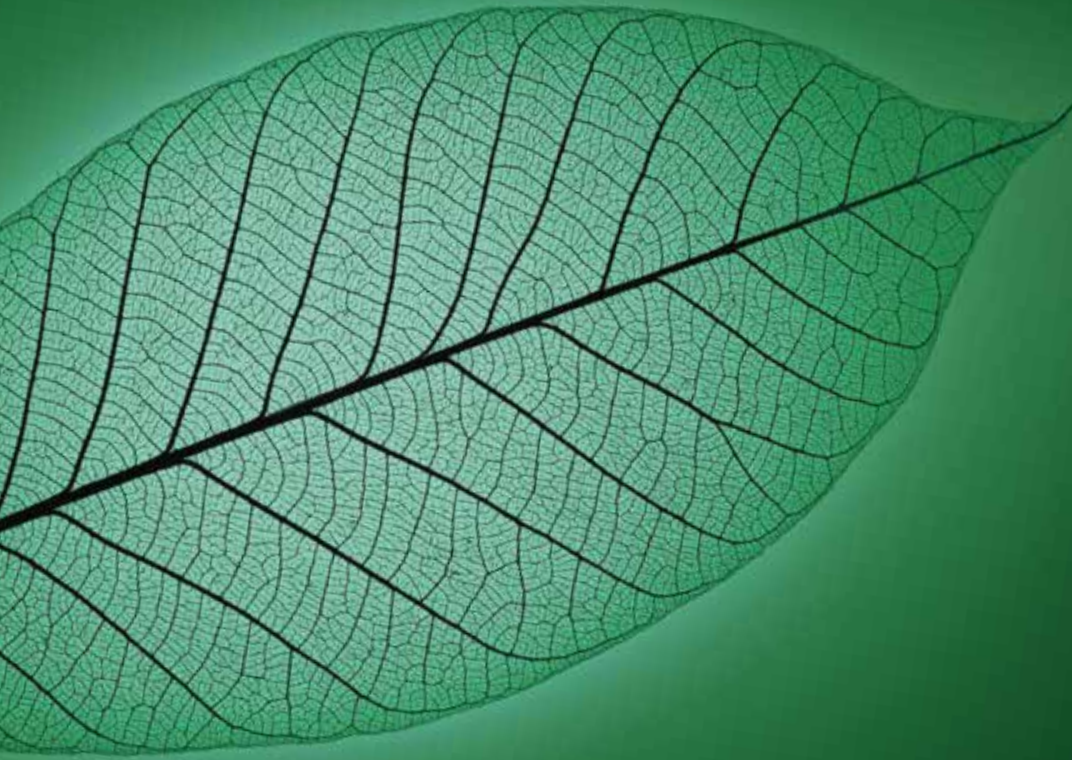


PRODUCT CATALOGUE
NEW ZEALAND – EDITION 2

NSK



NSK is committed to a precise and meticulous manufacturing process that produces high quality products. At the same time, we continuously strive to minimise our impact on the environment across all our business activities.

On 1 December 2021, we started sourcing all power used in our domestic production facility from 100% green energy, including but not limited to solar power.

This commitment is part of our efforts to reduce greenhouse gases released throughout our supply chain, as we continue to pursue our ambition of becoming fully carbon neutral.

100% COMMITTED, 100% GREEN

AIR TURBINES	Couplings / Ti-Max Z / S-Max M / S-Max pico / Ti-Max X450 / Pana-Max PLUS	5-15
CONTRA-ANGLES	Ti-Max Z / Ti-Max nano / Ti-Max X / S-Max M / FX Series / EX Series / isoE-LUX / P200	16-27
CLINICAL MICROMOTORS	Multi Pad / NLZ E/NLZ / Air Motors	28-33
ORAL HYGIENE	Varios Combi Pro / Prophy-Mate neo / Perio-Mate / Varios 970/370/170 / Air Scalers Ti-Max S970/AS2000	34-43
ENDODONTICS	ENDO-MATE TC2 & AT / iPex II Apex Locator	44-47
MOBILE DENTISTRY	Dentalone / VIVA ace / VIVAMATE G5	48-53
SURGICAL	Surgic Pro2 / Surgic Pro x VarioSurg 3 / Surgic Pro / VarioSurg 3 / Implant/Micro Surgery Handpieces / Osseo 100+/Osseo 100 / iSD900	54-71
MAINTENANCE	iCare / PANA SPRAY Plus / Care and maintenance instructions	72-79
DENTAL LABORATORY	ULTIMATE XL Series / VOLVERE i7 / PRESTO Aqua	80-85
NSK TECH		86-87
DEALER NETWORK		88-89

NSK Advantages

NSK Cellular Glass Optic

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



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 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.



NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tensions 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 untreated.



NSK Non-Retraction Valve

The Non-Retraction Valve is integrated inside the coupling, plus 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-disinfecter 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-disinfecter.













Switch Function

Instantly switch between Water Spray or Water Jet at the flip of a switch with the world's first two-way spray technology. When extra safety is needed, just the Water Jet provides maximum protection while continuing to offer optimum cooling. When conditions allow, switching back to Water Spray is a breeze. No equipment modification is needed, just twist the switch. Z95L/Z45L only.







Couplings

Optic Couplings

FOR NSK	OPTIC	MODEL	ORDER CODE	PRICE	
 LUX Coupling 	●	PTL-CL-LED	P1001600	\$554	
	<ul style="list-style-type: none"> • Stainless Steel Body • Titanium coating • Anti-Retraction Valve 	●	PTL-CL-LEDIII	P1001601	\$838
<ul style="list-style-type: none"> • Water volume adjuster • Stainless Steel Body • Titanium coating • Anti-Retraction Valve 	●	KCL-LED	P1005600	\$940	
 LUX Coupling 	<ul style="list-style-type: none"> • Water volume adjuster • Stainless Steel Body • Titanium coating • Anti-Retraction Valve 	●	SCL-LED	P1009600	\$940
 LUX Coupling 	<ul style="list-style-type: none"> • Water volume adjuster • Stainless Steel Body • Titanium coating • Anti-Retraction Valve 				

Non-Optic Couplings

FOR NSK	OPTIC	MODEL	ORDER CODE	PRICE
 Midwest 4 hole	—	FM-CL-M4	P434051	\$350
	<ul style="list-style-type: none"> • Stainless Steel Body • Anti-Retraction Valve 	—	FM-CL-B2/B3	P432051
 Borden 2/3 hole	<ul style="list-style-type: none"> • Stainless Steel Body • Anti-Retraction Valve 			

Ti-Max Z

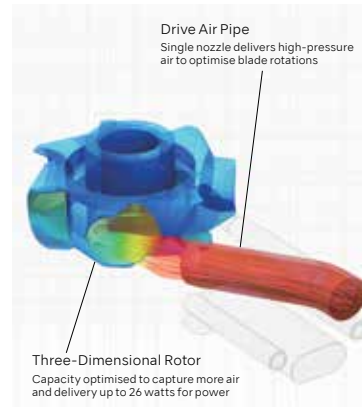
Premium



POWERFUL

Evolving to redefine performance

Z turbines deliver consistent power, and due to their ergonomic design they are easier to handle and give a more comfortable patient experience.



Z series turbines deliver everything and more than you would expect from a high performance air turbine.

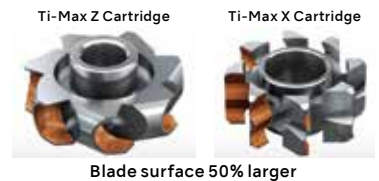
All of this is the result of our ethos of consistently aiming to exceed expectations, uncompromising product design and ultra precision manufacturing technology to deliver ever improving levels of comfort for clinicians and patients.

With up to an incredible 26 watts* of output, our air turbines will revolutionise your dental practice.

Miniature parts for maximum power, reflecting NSK's pursuit of the optimum rotor shape

New three-dimensional rotor

We harnessed the latest computer analysis software to develop a rotor with higher output. We created a new three-dimensional curved shape after relentless simulations and pilot production. The blade is 50% larger than that of the Ti-Max X Air Turbine. With this new rotor, the air turbine delivers an amazing 26 watts* of power.



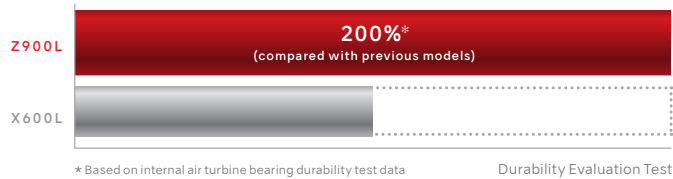
High output for smoother cutting

The 26 watts power output from the new rotor significantly enhances the performance during clinical applications. This can dramatically reduce treatment time and noticeably improve treatment comfort for the clinician and patient alike.

DURABLE

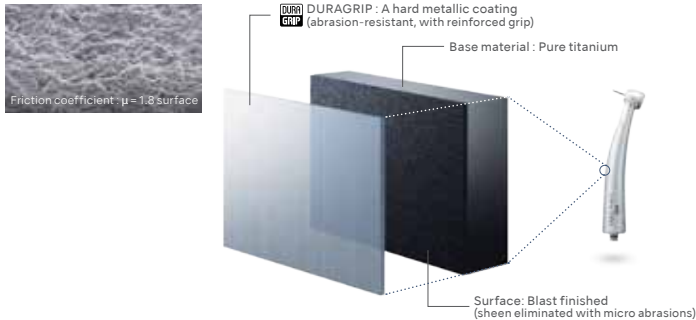
Advanced technology a key factor in significantly increased durability of Ti-Max Z

We completely redesigned the shape and found better materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermodisinfector and autoclave usage.



DURAGRIP Non-Slip, Scratch-Resistant Surface treatment technology

We blast-finish the pure titanium body surface utilising micro-abrasion before applying the DURAGRIP surface finish. The micro-abrasion enhances resistance to scratches and contributes to the firm, reliable non-slip grip.



Good accessibility using the mini head at a 100° angle.



The 100° angle head allows better access to the posterior region. The mini head ensures a wide field of vision. The design is based upon the physiological shape of the oral cavity, facilitating low-stress operations when accessing the posterior region.

Head angle allows easy access

Easier to work with, better access without coming into contact with the anterior teeth, when working in the posterior region.

Ti-Max Z Premium

- Titanium Body • DURAGRIP • Cellular Glass Optics
- Ceramic Bearings • Clean Head System • Push Button Chuck
- Quattro Spray • Microfilter (Z800/Z900)

	OPTIC	MODEL	ORDER CODE	PRICE
Miniature head	●	Ti-Max Z800L	P1110	\$2,342
	●	Ti-Max Z900L	P1111	\$2,342
Standard Head	●	Ti-Max Z900L	P1111	\$2,342
	●	Ti-Max Z800L	P1110	\$2,342

- Power: 23 W: 21 W (except Z800L)
- Speed: 360,000–440,000 min⁻¹
- Head Size: ø10.8 x H 12.1 mm
- Dual use for regular standard/short shank FG bur

- Power: 26 W: 24 W (except Z900L)
- Speed: 320,000–400,000 min⁻¹
- Head Size: ø12.5 x H 13.1 mm
- For standard FG burs

KAVO® COUPLING

Miniature head	●	Z800KL	P1112	\$2,452
Standard Head	●	Z900KL	P1113	\$2,452

SIRONA® COUPLING

Miniature head	●	Z800SL	P1114	\$2,452
Standard Head	●	Z900SL	P1115	\$2,452

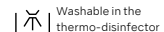
W&H® COUPLING

Miniature head	●	Z800WL*	P1120	\$2,452
Standard Head	●	Z900WL*	P1121	\$2,452

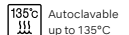
*Compatible Turbines with Integral LED

NSK Ti-Max Z

More detailed information



Washable in the thermo-disinfector



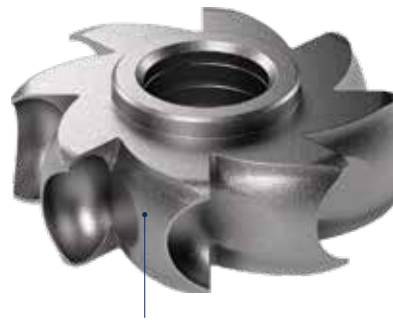
Autoclavable up to 135°C

S-Max M

Advanced



MORE POWERFUL



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

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.

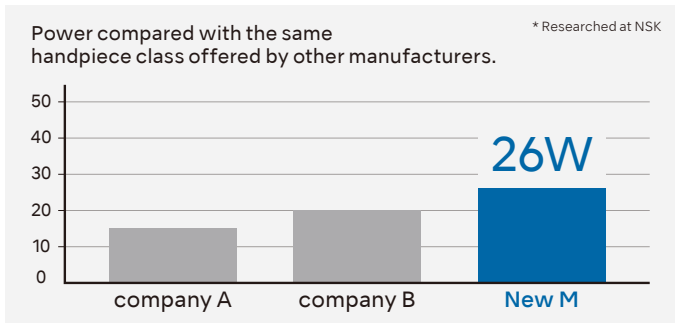
The bur is released easily with the responsive and tactile push button.

S-Max M Advanced

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

26W power

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



Power [W] at 0.3MPa

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.

	OPTIC	MODEL	ORDER CODE	PRICE
Miniature head 	●	S-Max M800L	P1253	\$1,633
	—	S-Max M800	P1255	\$1,545
<ul style="list-style-type: none"> • 23W Power • Speed: 380,000-450,000 min⁻¹ • Head Size: ø10.6 x H 12.4 mm • Dual use for regular standard/ short shank FG bur 				
Standard Head 	●	S-Max M900L	P1254	\$1,633
	—	S-Max M900	P1256	\$1,545
<ul style="list-style-type: none"> • 26W Power • Speed: 325,000-430,000 min⁻¹ • Head Size: ø12.1 x H 13.3 mm • For standard FG burs 				

KAVO® COUPLING

Miniature head	●	M800KL	P1257	\$1,881
Standard Head	●	M900KL	P1258	\$1,881
	—	M900K	P1259	\$1,545

SIRONA® COUPLING

Miniature head	●	M800SL	P1261	\$1,881
Standard Head	●	M900SL	P1262	\$1,881

W&H® COUPLING

Miniature head	●	M800WL*	P1265	\$1,881
Standard Head	●	M900WL*	P1266	\$1,881
	—	M900W	P1287	\$1,545

BIEN-AIR® COUPLING

Miniature head	●	M800BL*	P1263	\$1,881
Standard Head	●	M900BL*	P1264	\$1,881

*Compatible Turbines with Integral LED

NSK S-Max M

More detailed information



Washable in the thermo-disinfectant



Autoclavable up to 135°C

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

	OPTIC	MODEL	ORDER CODE	PRICE
	•	S-Max pico	P1140	\$1,633
		• Power: 9W		
		• Rotation: 380,000-450,000 min ⁻¹		
		• Head Size: ø8.6 x H 9.0 mm		

KAVO® COUPLING

•	S-Max pico KL	P1142	\$1,881
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SIRONA® COUPLING

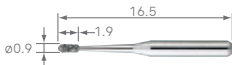
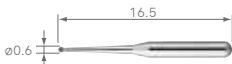
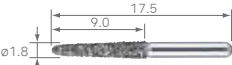
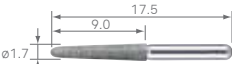
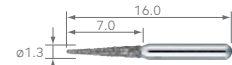
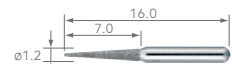
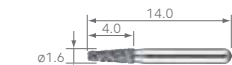
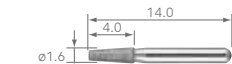
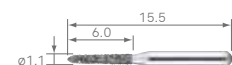
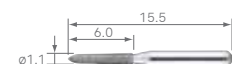
•	S-Max pico SL	P1143	\$1,881
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W&H® COUPLING

•	S-Max pico WLED*	P1145	\$1,881
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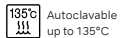
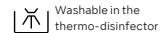
*Compatible Turbines with Integral LED

pico bars

	MODEL	ORDER CODE	PRICE
	PC1	Y1001817	\$88
	• Pack of 3		
	PC2	Y1001818	\$88
	• Pack of 3		
	PC3	Y1001819	\$88
	• Pack of 3		
	PC3ff	Y1002019	\$77
	• Extra fine bur	• Pack of 3	
	PC4	Y1001820	\$88
	• Pack of 3		
	PC4ff	Y1002020	\$77
	• Extra fine bur	• Pack of 3	
	PC5	Y1001821	\$88
	• Pack of 3		
	PC5ff	Y1002021	\$77
	• Extra fine bur	• Pack of 3	
	PC6	Y1001822	\$88
	• Pack of 3		
	PC6ff	Y1002022	\$77
	• Extra fine bur	• Pack of 3	

NSK S-Max pico

More detailed information



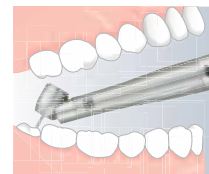
Ti-Max X450

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.

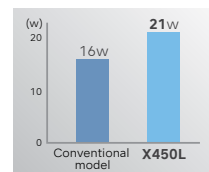


Superior Accessibility

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 and Cellular Glass Optics

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



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

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

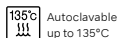
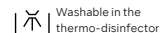
Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

	OPTIC	MODEL	ORDER CODE	PRICE
	●	X450L	P1078	\$1,982
	<ul style="list-style-type: none"> • 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 • Rear-exhausted drive-air 			
KAVO® COUPLING				
	●	X450KL	P1079	\$2,193
SIRONA® COUPLING				
	●	X450SL	P1080	\$2,193
W&H® COUPLING				
	●	X450WLED*	P1082	\$2,193
BIEN-AIR® COUPLING				
	●	X450BLED*	P1081	\$2,193

*Compatible Turbines with Integral LED

NSK T-Max X450

More detailed information



Pana-Max PLUS

Basic



UNSURPASSED DURABILITY

Built to Excel in Clinical Situations

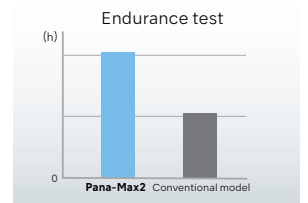
Featuring a Scratch-resistant Stainless Steel Body and Sturdier Turbine Head.

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



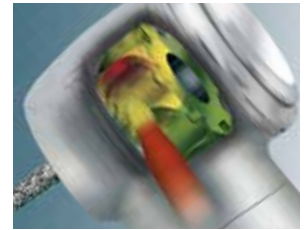
Exceptional Longevity

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





30% Power Boost

Pana-Max PLUS 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-Max PLUS Basic

- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray

	OPTIC	MODEL	ORDER CODE	PRICE
Miniature head  <ul style="list-style-type: none"> • Speed: 380,000-450,000 min⁻¹ • Head Size: ø10.6 x H 12.4 mm 	—	PAP-MU M4	P1021	\$1,059
Standard Head  <ul style="list-style-type: none"> • Speed: 340,000-410,000 min⁻¹ • Head Size: ø12.1 x H 13.3 mm 	—	PAP-SU M4	P1022	\$1,059

*Compatible Turbines with Integral LED

MIDWEST 4 HOLE
Direct-connect/Screw-on Type)



NSK Pana-Max

More detailed
information



Washable in the
thermo-disinfector



Autoclavable
up to 135°C

Ti-Max Z

Premium



TIME TO SWITCH

Select between mist or jet spray at the flick of a switch with the world's first two way spray technology. When extra safety is needed the water jet provides maximum protection while still offering optimum cooling, then when conditions allow switching back to mist is a breeze. No equipment modification is needed, put the control back in your hands.

Spray air contributes significantly to spray mist in dental instruments. Contra-angles produce much less compared to air turbines and by switching off the chip-air this instruments generates even less aerosol. This means the associated risks are reduced considerably. NSK has invented the spray switch for handpieces. No other handpiece brand offers this convenient and effective feature. Turning off spray air couldn't be easier – just simply twist the switch.

Aerosol laser experiment



Air Turbine w/spray air

Contra-angle w/spray air

Contra-angle w/NO spray air

Two-Way Spray Function



The world's first two-way spray function allows you to instantly choose between a mist or jet spray. Choose in an instant depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures whilst still cooling during restorative procedures. When spray mist can be used again without restriction just switch again. No equipment modification required.



Switch between water jet (water only) and water spray (water and air mist) in an instant.

SUPERIOR ACCESSIBILITY

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.



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



Sectioning a Mandibular Left Impacted Third Molar



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



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



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar

Ti-Max Z95L Switch

- Anti Heat System
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Microfilter
- Switch Function



OPTIC	MODEL	ORDER CODE	PRICE
•	Ti-Max Z95L	C1034SW	\$2,507
<ul style="list-style-type: none"> • Gear Ratio: 1:5 Increasing • Coolant Design: Quattro Ports (with two way spray function) • Body Material: Titanium Body Coating DURAGRIP • Max Speed: 200,000 min⁻¹ 			

Ti-Max Z45L Switch

- 45-degree angle head
- Anti Heat System
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Microfilter
- Switch Function



OPTIC	MODEL	ORDER CODE	PRICE
•	Ti-Max Z45L	C1064	\$2,675
<ul style="list-style-type: none"> • Gear Ratio: 1:4.2 Increasing • Coolant Design: Quattro Ports (with two way spray function) • Body Material: Titanium Body Coating DURAGRIP • Max Speed: 168,000 min⁻¹ 			



MODEL	ORDER CODE	PRICE
Wrench for Z45L & Z95LSW	Z1129101	\$19

NSK Ti-Max Z range

More detailed information



Washable in the thermo-disinfectant



Autoclavable up to 135°C

Ti-Max Z



DURABLE

A stunningly durable and reliable handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. The gear is coated with special diamond-like carbon to make wear resistance up to five times greater than on previous models. NSK's advanced technologies have boosted sterilisation 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.

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, Z84L)

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

Ti-Max Z

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



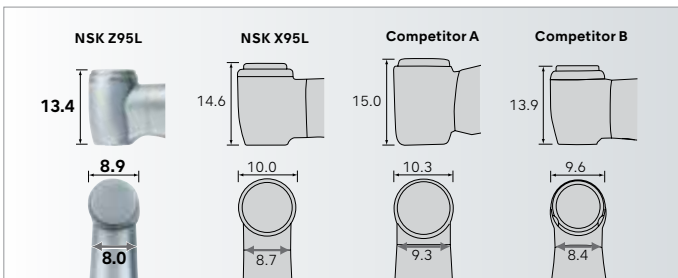
OUTSTANDING OPERABILITY

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.

The slimmest neck

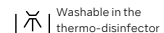
The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



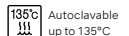
OPTIC	MODEL	ORDER CODE	PRICE
•	Ti-Max Z85L	C1062	\$2,507
1:5 Increasing			
• Miniature head • Single spray • For FG burs (ø1.6)			
• Max speed: 200,000 min ⁻¹ • Head size: 11.8mm			
•	Ti-Max Z25L	C1038	\$1,763
1:1 Direct drive			
• Single spray • For CA burs (ø2.35)			
• Max speed: 40,000 min ⁻¹			
•	Ti-Max Z24L	C1126001	\$1,763
1:1 Direct drive			
• Single spray • For CA burs (ø2.35)			
• Miniature Head • Max speed: 40,000 min ⁻¹			
•	Ti-Max Z15L	C1039	\$2,505
4:1 Reduction			
• Single spray • For CA burs (ø2.35)			
• Max speed: 10,000 min ⁻¹			
•	Ti-Max Z10L	C1040	\$2,765
16:1 Reduction			
• Single spray • For CA burs (ø2.35)			
• Max speed: 2,500 min ⁻¹			

NSK Ti-Max Z

More detailed information



Washable in the thermo-disinfector



Autoclavable up to 135°C

Ti-Max nano

Special



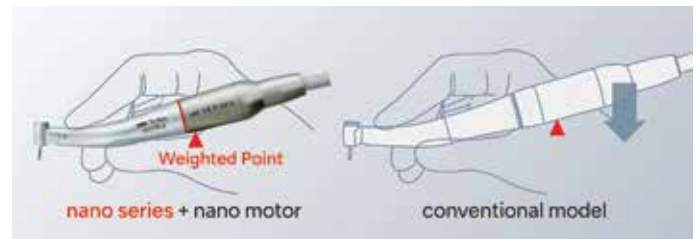
SHORTER, PERFECTLY BALANCED

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.

Perfect Balance

NSK's nano series preserves the high performance NSK contra-angles are known for, while these new instruments are approximately 10 percent smaller and lighter than conventional models. Yet, in combination with NLX nano micromotor nano series gives you the ease of manoeuvrability and accuracy you are used to from your airturbine.

Reducing size and weight shifts the center of gravity to an optimal position, dramatically reducing fatigue during procedures and improving your fingertip dexterity.



Ti-Max nano Special

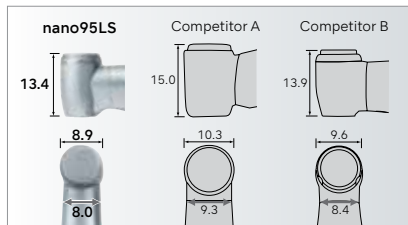
- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics • Clean Head System
- Push Button Chuck (Exclude nano65LS) • Microfilter

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 minimisation. In addition, special DLC Coating (Diamond-Like-Carbon) is applied to the gears, dramatically increasing durability.



nano 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 insert length less than 23 mm.

OPTIC	MODEL	ORDER CODE	PRICE
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●	nano95LS	C1099	\$2,257
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1:5 Increasing

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

●	nano25LS	C1100	\$1,586
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1:1 Direct drive

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

●	nano15LS	C1101	\$2,254
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4:1 Reduction

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

STRAIGHT HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
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●	nano65LS	H1048	\$2,080
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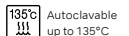
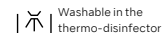
1:1 Direct Drive

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

*Need to insert the supplied bur stopper

NSK Ti-Max nano

More detailed information






Ti-Max X

Advanced



Ti-Max X

- Exceptionally small head and slim body
- Clear visibility and easy access
- Amazingly quiet operation
- Cellular Glass Optics
- Titanium body with scratch resistant DURAGRIP
- Clean Head System
- Push Button Chuck
- Outstanding Durability

PROPHYLAXIS HANDPIECES	OPTIC	MODEL	ORDER CODE	PRICE
	●	Ti-Max X57L	C609	\$1,893
16:1 Reduction				
<ul style="list-style-type: none"> • Special Dust Proof • 360° Rotation • Without Spray • For Screw-in Cups and Brushes • Max Speed: 2,500 min⁻¹ 				
	●	Ti-Max X55L	C608	\$2,384
	—	Ti-Max X55	C618	\$2,015
4:1 Reduction				
Specifications				
<ul style="list-style-type: none"> • Gear Ratio 4:1 • Reduction For Profin / EVA Tips • Vertical Reciprocating (Stroke Length 1.4 mm) • Single Water Spray • Titanium • DURACOAT • Max Speed 10,000 min⁻¹ 				
Features				
<ul style="list-style-type: none"> • Cellular Glass Optics Microfilter with Tip Lock Mechanism • Lamineer tips not included 				
STRAIGHT HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
	●	Ti-Max X65L	H273	\$2,311
	—	Ti-Max X65	H274	\$1,113
1:1 Direct drive				
<ul style="list-style-type: none"> • Clean Head System • Single spray • For HP burs (ø2.35) • For CA burs (ø2.35) • Max speed: 40,000 min 				

NSK Ti-Max X

More detailed information



Washable in the thermo-disinfectant



Autoclavable up to 135°C








S-Max M

Advanced



S-Max M Advanced

- Stainless Steel Body • Cellular Glass Optics
- Ceramic Bearings • Clean Head System
- Push Button Chuck (Exclude M65)
- Quattro Spray only M95L/M95
- Simple Cartridge Change

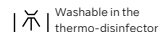
CONTRA-ANGLE HANDPIECES	OPTIC	MODEL	ORDER CODE	PRICE
	●	S-Max M95L	C1023	\$2,084
	—	S-Max M95	C1026	\$1,661
1:5 Increasing				
• Quattro water spray • For FG burs (ø1.6)				
• Max speed: 200,000 min ⁻¹ • Head size: 13.8mm				
	●	S-Max M25L	C1024	\$1,599
	—	S-Max M25	C1027	\$1,122
1:1 Direct Drive				
• Single water spray • For CA burs (ø2.35)				
• Max speed: 40,000 min ⁻¹				
	●	S-Max M15L	C1025	\$1,947
	—	S-Max M15	C1028	\$1,577
4:1 Reduction				
• Single Water Spray • For CA burs (ø2.35)				
• Max Speed: 10,000 min ⁻¹				
STRAIGHT HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
	—	S-Max M65	H1008	\$967
1:1 Direct drive				
• Single water spray • For HP burs (ø2.35)				
• For CA burs (ø2.35) • Max speed: 40,000 min ⁻¹				

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.

NSK S-Max M

More detailed information



Washable in the thermo-disinfector



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 modernisation 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.

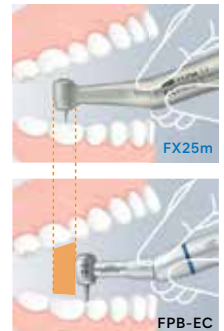
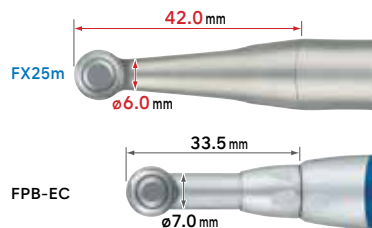
Durable Stainless Steel Body

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

FX Series Basic

- Integrated Handpiece • Durable stainless steel body
- Improved visibility and ideal balance
- Easy cartridge replacement (FX25m)
- Clean Head System
- Paste Defense System (FX57m).

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

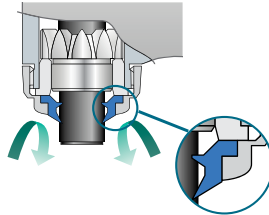
The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.









(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.



GENERAL APPLICATIONS HANDPIECES	OPTIC	MODEL	ORDER CODE	PRICE
	—	FX25m	C1052001	\$546
1:1 Direct drive				
<ul style="list-style-type: none"> • For CA burs (ø2,35) • Push button chuck • Ball bearing • Max speed: 40,000 min⁻¹ • Clean Head System 				
	—	FX22	C1129091	\$330
1:1 Direct drive				
<ul style="list-style-type: none"> • For CA burs (ø2,35) • Ball bearing • Latch Type • Push button chuck • Max speed: 30,000 min⁻¹ 				
	—	FX15m	C1053001	\$803
4:1 Reduction				
<ul style="list-style-type: none"> • Latch type prophy cups • For CA burs (ø2.35) • Push Button Chuck • Ball Bearing • Max Speed: 10,000 min⁻¹ 				
ENDODONTIC HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
	—	FX75m	C1055001	\$932
16:1 Reduction				
<ul style="list-style-type: none"> • Miniature Head • For engine files • Stainless Steel Body • 360° Rotation • Push Button Chuck • Max Speed: 1,250 min⁻¹ 				
PROPHYLAXIS HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
	—	FX57m	C1054001	\$601
4:1 Reduction				
<ul style="list-style-type: none"> • For screw-in cups and brushes • 360° Rotation • Paste Defense System w/o Spray • Max Speed: 5,000 min⁻¹ 				
STRAIGHT HANDPIECE	OPTIC	MODEL	ORDER CODE	PRICE
	—	FX65m	H1014001	\$545
1:1 Direct Drive				
<ul style="list-style-type: none"> • For HP burs (ø2,35) • Stainless Steel body • Clean Head System • Max speed: 40,000 min⁻¹ 				

NSK FX Series

More detailed information



Washable in the thermo-disinfector (FX25m, FX15m)



Autoclavable up to 135°C

EX Series

Basic




EX Series Basic

Non-optic heads and shanks for multiple applications


HEADS FOR GENERAL APPLICATION

	MODEL	ORDER CODE	PRICE
	FPB-Y	C875	\$336
	<ul style="list-style-type: none"> For CA burs (ø2.35) Clean Head System Push Button Chuck Ball Bearing External Water Spray Max Speed: 40,000 min⁻¹ 		
	NAC-Y	C032	\$149
	<ul style="list-style-type: none"> For CA burs (ø2.35) Latch type External Water Spray Max Speed: 30,000 min⁻¹ 		
	BB-Y	C037	\$260
	<ul style="list-style-type: none"> For CA burs (ø2.35) Latch type Ball Bearing External Water Spray Max Speed: 40,000 min⁻¹ 		



HEADS FOR PROPHYLAXIS APPLICATION

	MODEL	ORDER CODE	PRICE
	AR-Y (S)	C187	\$134
	<ul style="list-style-type: none"> For screw-in cups and brushes Max Speed: 5,000 min⁻¹ 		
	AR-Y (K)	C188	\$134
	<ul style="list-style-type: none"> For snap-on cups Max Speed: 5,000 min⁻¹ 		
	EVA-Y	C235	\$253
	<ul style="list-style-type: none"> For Eva tips Vertical Reciprocating (Stroke Length 1.4 mm) Max Speed: 10,000 min⁻¹ 		

HEADS FOR ENDODONTIC APPLICATION

	MODEL	ORDER CODE	PRICE
	MP-Y	C547	\$315
	<ul style="list-style-type: none"> Miniature Head Push Button Chuck Max Speed: 20,000 min⁻¹ 		
	MPA-Y	C548	\$642
	<ul style="list-style-type: none"> Connection for Apex locator (For long shank) Miniature Head Push Button Chuck Max Speed: 20,000 min⁻¹ 		
	TEQ-Y	C849	\$291
	<ul style="list-style-type: none"> 80° Twist For engine files (ø2.35) Push Button Chuck Max Speed: 4,000 min⁻¹ 		
	TEP-Y	C837	\$398
	<ul style="list-style-type: none"> 60° Twist For hand files Push Button Chuck External Water Spray Max Speed: 4,000 min⁻¹ 		

SHANKS

	MODEL	ORDER CODE	PRICE
	EC-30M	C100007	\$225
	<ul style="list-style-type: none"> 1:1 Direct Drive 		
	ER4M	C634002	\$468
	<ul style="list-style-type: none"> 4:1 Reduction 		

NSK EX Series

More detailed information



FPB-Y, FFB-Y, NRS2-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermosinfector.



Autoclavable up to 135°C



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

isoE-LUX/P200

Probes



ILLUMINATION

isoE-LUX Light Probe

Intense Direct Illumination

Intense direct illumination for diagnosis of cracks in teeth plus occlusal and interproximal caries not visible to the naked eye.

OPTIC	MODEL	ORDER CODE	PRICE
•	isoE-Lux Probe	Z1265	\$880
• E-Type Optic Motor Connection • Glass Fiber Optics • Stainless Steel Body			

P200 Phatelus Probe

Trans Illumination

Trans illumination instrument with brilliant LED output when connected to the NSK LED coupling. Powerful transilluminator for cracks and caries detection. Connects to NSK PTL coupling.



OPTIC	MODEL	ORDER CODE	PRICE
•	P200 Phatelus Probe	P411	\$893
• Connects to NSK PTL coupling • Glass Fiber Optics • Stainless Steel Body			

Multi Pad

Multi-control panel for built-in system



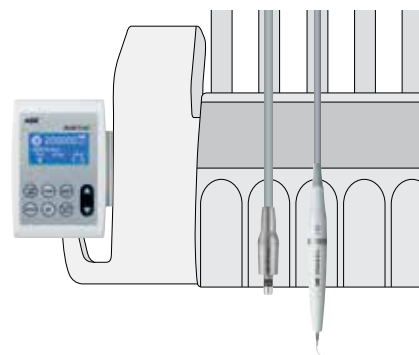
MULTI-CONTROL PANEL FOR BUILT-IN SYSTEM

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, Francais and Deutsch).



The Integrated System

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



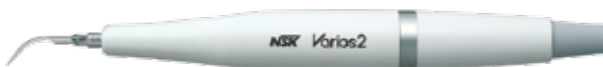
NLX nano



NLX plus



Varios2 Lux



Varios2

Multi Pad with NLX nano LED Illumination

- Integrated system with Multi Pad control unit



MODEL	ORDER CODE	PRICE
NLX nano STD/MultiPad	NLXNANO Integratedpad	\$5,595

- Speed 2,000–40,000 min⁻¹
- Torque to 3.4 Ncm
- LED illumination

Multi Pad with NLX plus with Endo Function

- LED illumination
- Integrated system with Multi Pad control unit



MODEL	ORDER CODE	PRICE
NLX Plus/MultiPad	NLXPLUS Integratedpad	\$5,891

- Auto-reverse functionality for endodontic procedures
- Speed 100–40,000 min⁻¹
- Torque to 4 Ncm
- LED illumination



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

NSK Multi Pad

More detailed information



NLZ E / NLZ

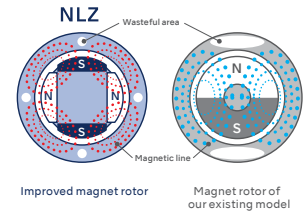
Electric Micromotors



SUPERIOR* PERFORMANCE OF MOTOR WITH COMPACT SIZE

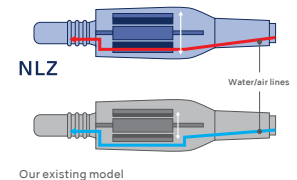
Powerful

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.



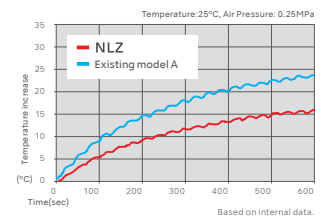
Efficient

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.

SAFETY FUNCTIONS

Contra-Check Function (proprietary to NSK)

'Contra-Check Function' helps detect abnormalities caused by deterioration of the electric attachment and in sufficient 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'.



No error. Please continue to use as it is.



Maintenance (lubrication) required.



Lighting

Repair required.

The motor is operable but its rotor will automatically slow down and stop if the 'Contra-Restriction Function' is on.



Blinking

Repair required.

The motor becomes forcibly inoperable.

A totally new installation style only from NSK

Portable System with Endo Function

- Easily convert air driven handpieces to electric with the all new NLZ.
- Correctly transmit reciprocating actions for a smooth endodontic treatment.
- New NLZ Endo 6:1 reciprocating handpiece.
- Endo torque calibration function – This function measures the 'no-load' current values and corrects the torque accordingly, resulting in greatly enhance safety in endodontic treatment.
- Contra-Check Function helps detect abnormalities caused by deterioration of the contra-angle handpiece and insufficient maintenance before use.

	NLZ E	NLZ
General application function	●	●
Rotary Endo Mode function	●	—
Recipro Endo Mode function	●	—

NLZ E / NLZ

Electric Micromotors

MODEL	ORDER CODE	PRICE
NLZ E S230	Y1500361	\$7,023
<ul style="list-style-type: none"> • NLZ E U (control unit and main unit) • NE180 (AC adaptor) • NLZ (motor) • NLZ CD (motor cord) • NLZ U BRACKET 		
NLZ S230	Y1500360	\$5,618
<ul style="list-style-type: none"> • NLZ U (control unit and main unit) • NE180 (AC adaptor) • NLZ (motor) • NLZ CD (motor cord) • NLZ U BRACKET 		

Specifications:

- 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
- (NLZ-E) Rotary Endo Mode/6 programs
- Programs: General Application Mode/6 programs

Motor:

- Motor type: Brushless micromotor • (NLZ-E) Max torque: 4.2 Ncm
- (NLZ-E) Endodontics torque: 0.3-6.0 Ncm (depending on gear ratio)
- Motor speed: 100-40,000 min⁻¹ • Dimension: ø22 × H 68.8 mm
- Weight: 59 g (motor only) • Light: White LED



OPTIC	MODEL	ORDER CODE	PRICE
—	NLZ Endo	C1130	\$1,056



Newly-developed reciprocating specialist electric attachment that enables even smoother endodontic treatments

6 : 1 Reduction

- 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 • Head Size: ø8.6 x H11.3 mm
- Push Button Chuck

OPTIONS	MODEL	ORDER CODE	PRICE
	NLZ Stay	Z1321	\$266
	NLZ Mounting plate	Z1323	\$79.85

NSK NLZ

More detailed information



Air Motors

SHORTER AND LIGHTER – ERGONOMIC COMFORT AND IMPROVED BALANCE

Ti-Max X205L

Advantages

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)
- Simple connection to your existing hose

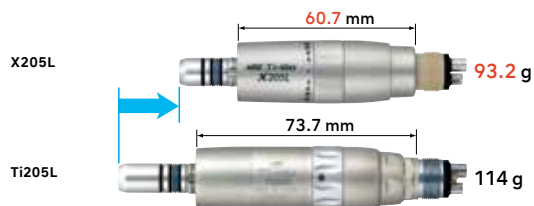
The Ti-Max X205L delivers powerful, smooth and quiet rotation, with loads of torque at all variable speeds. Connect to all brands of E-type optic and non-optic contra-angle handpieces.



OPTIC	MODEL	ORDER CODE	PRICE
•	X205L	M1013	\$2,324

- 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

Reduced size and weight for unsurpassed balance



S-Max M205

Advantages

- Non-Optic Air Motor
- Internal water spray
- Enhanced balance –powerful torque

The S-Max M205 presents an economical micromotor that connects direct to your existing hose. All brands of E-type non-optic handpieces readily connect for optimum performance.



OPTIC	MODEL	ORDER CODE	PRICE
—	M205	M1007001	\$1,435

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

FX205m

Advantages

- Non-Optic Air Motor
- External water spray
 - Enhanced balance – powerful torque

The FX205 M4 presents an economical micromotor that connects direct to your existing hose. All brands of E-type non-optic handpieces readily connect for optimum performance.



OPTIC	MODEL	ORDER CODE	PRICE
—	FX205m M4	M1005001	\$1,254

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

—	FX205m B2	M1006001	\$1,254
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- Stainless Steel Body
- Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- External Water Spray



NSK Air Motors

More detailed information



Washable in the thermo-disinfector



Autoclavable up to 135°C

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.



NSK offers a wide choice of Varios ultrasonic scaler tips for a variety of clinical applications

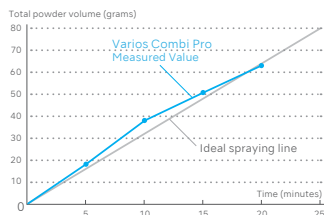
The NSK Tips Book lists in detail all NSK Varios Tips and applications.

POWDER PROPHY-SYSTEM

Powder therapy to clean supragingival areas efficiently and quickly

Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimise 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



Fast and effective therapy

Clinicians can clean teeth quickly with NSK's FLASH pearl powder. NSK FLASH pearl consists of fine spherical shaped calcium-based particles which remove stains and plaque.

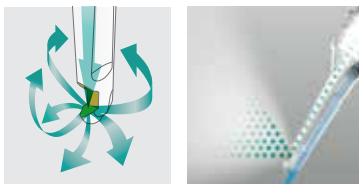


POWDER PERIO-SYSTEM

The powder spray gently cleans 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 minimising 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 3 mm to 6 mm.

Varios Combi Pro

- Automatic Switching from Ultrasonic to Powder Function
- Store Previous Settings • Auto-cleaning function
- Multi-Foot Control • A Slim Highly-ergonomic LED Handpiece • A wide choice of tips • iPiezo engine®
- Feedback Function • Allows for Steady Scaling
- Auto Tuning Function

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

MODEL	ORDER CODE	PRICE
Varios Combi Pro Basic Set	Y1004194	\$9,285

- 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
- Sterilisation case • Irrigation bottle (400 mL)
- Foot control

OPTION	ORDER CODE	PRICE
Varios Combi Pro Perio Set	Y1003042	\$3,356

- PERIO-CHAMBER • PERIO-Hose
- PERIO-Handpiece • Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate powder

	iCart Duo for VCP with the Water Bottle Set	S9090V	\$2,997
	<ul style="list-style-type: none"> • Install the control unit and accessories on the cart • Dimensions: H 101.65 cm • Weight: 16.5 kg 		

	NSK VCP Handpiece only for Propy	T1074001	\$275
	NSK VCP Handpiece only For Perio	T1077001	\$275

NSK Varios

More detailed information



Prophy-Mate neo



PROPHY-MATE NEO, THE BEST POLISHING TOOL FOR BEAUTIFUL WHITE TEETH

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl." NSK's unique twin nozzle achieves powerful powder discharge. The long and slim handpiece in conjunction with the small nozzle tip dramatically improves accessibility around all tooth surface. Cleaning can be performed quickly even in interproximal areas teeth and in usually difficult to reach areas. The ergonomically designed grip is comfortable to hold and allows for flexible operation.

Improved polishing power

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



BEFORE



AFTER



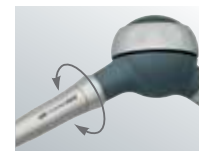
Easy detachable nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximise 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.




NSK Prophy-Mate neo

More detailed information



Prophy-Mate neo Air Polishing System

- Removal of plaque and discolouration
- Preparation for pit and fissure sealant
- Simple to operate
- Easy maintenance
- Sturdy and reliable
- Quick connect to major brands of turbine couplings
- Comes with 60° and 80° nozzles

	MODEL	ORDER CODE	PRICE
	Prophy-Mate neo Complete System PMNG-PTL-P	Y135029	\$2,005
	<ul style="list-style-type: none"> • Handpiece with 60° nozzle head • Powder case • Replacement nozzle head 80° • 5 pcs. x 15 g sachets of FLASH pearl cleaning powder • Maintenance kit 		

KAVO® COUPLING

PMNG-KV-P	Y135030	\$2,138
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SIRONA® COUPLING

PMNG-SR-P	Y135031	\$2,138
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W&H® ROTO QUICK

PMNG-WH-P	Y135032	\$2,138
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BIEN-AIR® UNIFIX®

PMNG-BA-P	Y135033	\$2,138
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MIDWEST 4 HOLE

(DIRECT-CONNECT / SCREW-ON TYPE)

PMNG-M4-P	Y135034	\$2,005
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BORDEN 2 HOLE

(DIRECT-CONNECT / SCREW-ON TYPE)

PMNG-B2-P	Y135035	\$2,005
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	MODEL	ORDER CODE	PRICE
	NSK Prophy Mate Neo Handpiece with 60 Degrees Nozzle	T797010	\$861
	NSK Prophy Mate Neo 60 Degrees autoclavable Nozzle Only	T797012	\$270
	NSK Prophy Mate Neo 80 Degrees autoclavable Nozzle Only	T797013	\$270

Flash Pearl Cleaning Powder

- Fast cleaning in tight spaces
- Zero salinity, gentle ingredients with low impact on patients
- Clogging is also minimised



MODEL	ORDER CODE	PRICE
FLASH pearl (Bottle)	Y900698	\$386
	<ul style="list-style-type: none"> • 4 bottles packed in a box • Comes with a measuring cup for your convenience • Each bottle contains 300 g 	

Outstanding cleaning results with gentle powder

Not salty! The powder has less impact due to the delicate flavour and provides patients with gentle tooth surface cleaning. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles.

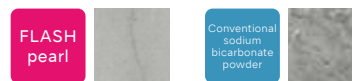
Fine powder with an average particle size of 54 µm move as if rolling across the surface of the tooth, limiting damage to the tooth surface and rapidly removing plaque and staining.

The FLASH pearl treatment is effective in a short space of time which encourages patients to schedule regular cleaning appointments.

Sparkling results every time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning.

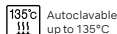
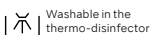
The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.



The surface of the tooth after powder polishing under an electron microscope

Do not wash the powder case or the powder case's cap in a thermo-disinfector.

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



Perio-Mate



EXTENSIVE RANGE OF APPLICATIONS RANGING FROM SUPRAGINGIVAL TO SUBGINGIVAL USE

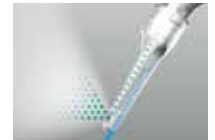
Flexible plastic nozzle tip design ensures accessibility and is gentle to the pocket

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.



Optimise 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

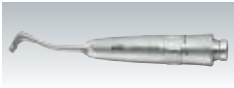
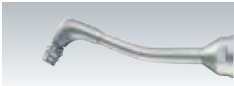
The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



Perio-Mate BIOFILM ERASER

- Innovative nozzle tip
- Precise, flawless powder flow
- Maintenance
- Powder control ring
- Slim nozzle design
- Smooth 360 degree rotation

	MODEL	ORDER CODE	PRICE
	Perio-Mate Complete System PER-PTL-P	Y1002654	\$2,005
	<ul style="list-style-type: none"> • Handpiece • Powder case • Nozzle tip (40 pcs) • Maintenance kit • Perio-Mate Powder 160g x 1 		
KAVO® COUPLING			
	PER-KV-P	Y1002655	\$2,138
SIRONA® COUPLING			
	PER-SR-P	Y1002656	\$2,138
W&H® ROTO QUICK			
	PER-WH-P	Y1002657	\$2,138
MIDWEST 4 HOLE			
(DIRECT-CONNECT / SCREW-ON TYPE)	PER-M4-P	Y1002659	\$2,005
BORDEN 2 HOLE			
(DIRECT-CONNECT / SCREW-ON TYPE)	PER-M4-P	Y1002660	\$2,005

	MODEL	ORDER CODE	PRICE
	NSK Perio-Mate Handpiece with 60 Degrees Nozzle	T1043010	\$795
	NSK Perio-Mate 60 Degrees autoclavable Nozzle Only	T1043012	\$218

Perio-Mate Powder BIOFILM ERASER

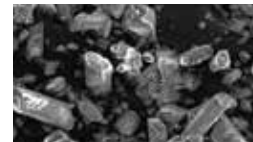
- Subgingival airpolishing powder
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
- Glycine ranks 2 on the MOHs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is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



MODEL	ORDER CODE	PRICE
Perio Mate Powder	Y900938	\$370
<ul style="list-style-type: none"> • Contents: Two bottles (160 g each) 		
Perio Mate Nozzle Tip	Y1002741	\$147
<ul style="list-style-type: none"> • 40 pcs per pack 		

Powder Particle Comparisons

The fine Perio-Mate Powder is ideal for periodontal pocket treatment.



Conventional Sodium Bicarbonate Powder

Average particle diameter: 73 µm
Scanning electron microscope image magnification of 150 X

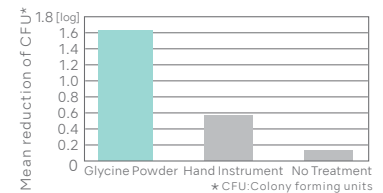


Perio-Mate Powder (glycine)

Average particle diameter: 25 µm
Scanning electron microscope image magnification of 150 X

Reduction of Bacteria

The air-polish process with Perio-Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.



Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF. Subgingival plaque removal at interdental sites using a low-abrasive air polishing powder. J Periodontol. 2003 Mar;74(3):307-11.

NSK Perio-Mate

More detailed information



Washable in the thermo-disinfector



Autoclavable up to 135°C

Do not wash the powder case or the powder case's cap in a thermo-disinfector.

Varios 970/370/170

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 minimise 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 set

- Portable multi-function
- Ultrasonic Scaler for optimum clinical versatility
- LED Illumination



OPTIC	MODEL	ORDER CODE	PRICE
•	Varios 970 Optic Complete Set	Y1001168	\$5,349
—	Varios 970 Non-Optic Complete Set	Y1001175	\$4,424

- Control Unit
- Handpiece and cord
- 3 Scaling Tips (G4, G6, G8)
- Foot Control
- 2 x Irrigation bottles
- 3 x Tip Wrench with torque limiter
- AC Power Cord • Sterilisation Case

Varios 370 complete set

- Benchtop Multi Function
- Ultrasonic Scaler
- LED Illumination



OPTIC	MODEL	ORDER CODE	PRICE
•	Varios 370 Optic Complete Set	Y1001388	\$3,237
—	Varios 370 Non-Optic Complete Set	Y1001391	\$2,352

- 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

Varios 170 complete set

- Integrated Multi Function Ultrasonic Scaler • The smallest module for easy integration into new and existing dental equipment
- LED Illumination



OPTIC	MODEL	ORDER CODE	PRICE
•	Varios 170 Optic Complete Set	Y1001351	\$2,669
—	Varios 170 Non-Optic Complete Set	Y1001352	\$1,895

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

Varios 2

Well balanced, slimmest and lightest handpiece with LED illumination

The extremely slim Varios2 handpiece allows excellent accessibility and high visibility is ensured, offering more comfortable use.



Optic Handpiece VA2-LUX-HP



Non-Optic Handpiece VA2-HP



OPTIC	MODEL	ORDER CODE	PRICE
•	VA2-HP-LUX Handpiece	E351050	\$2,153
—	VA2-HP Handpiece	E350050	\$1,253



MODEL	ORDER CODE	PRICE
Sterilisation Case	Z1035001	\$161

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



Tip Wrench (CR-10)	Z221076	\$156
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NSK Varios range

More detailed information



NSK Varios Tip range

More detailed information



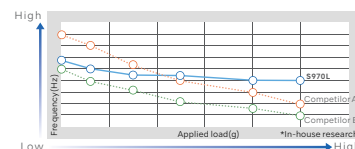
Air Scalars

Ti-Max S970/AS2000



AIR SCALER EVOLUTION SUPPORTING A BROAD SPECTRUM OF CARE

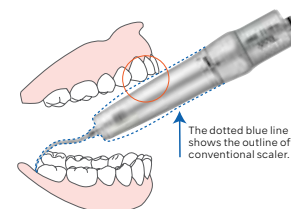
The S970 air scaler offers a wide power range with easy swivel power adjustment and an extensive tip range for a wide variety of applications ranging from general scaling and root canal irrigation to minimally invasive procedures. The wide range of applications, comfortable grip and ease of maintenance makes the S970 air scaler the instrument of choice for dentists and hygienists alike.



A titanium body and sleek, seamless design make the S970 really comfortable to hold even during long procedures whilst allowing for excellent visibility of the operating site at all times.

Steady power supply to the tip

S970 air scalars provide stable power output and constant oscillating movement across the entire power range at approximately 6,000 Hz. S970 air scalars are extremely gentle and therefore very popular in cases involving perio or high sensitivity.



Excellent visibility

The sleek design of the S970 allows for unrestricted visibility of the treatment area and excellent access to even the most hard to reach areas.



Smooth and easy power control ring


NSK Power Ring offers three different power level settings for diverse clinical needs. While the gentle minimum mode is for delicate procedures, the maximum power mode is good for general scaling.

APPLICATIONS	TIPS	POWER RING SETTING
Scaling	S1, S2, S3	1 2 3
Perio	S10, S20, S21R, S21L	1 2 3
Perio (Maintenance Tip)	S35 + V-Tip (V-P10, V-P11R, V-P11L, V-P12)	1 2 3
Restorative (For Preparation of crown cores)	S81D, S82D, S83D, S86D, S71D, S72D	1 2 3
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	1 2 3
V-TIP SYSTEM (Endodontics)	S75 + V-Tip (V-U15-V-U35)	1 2 3

The above power level is standard. Please start use from a low level to correspond to the symptoms.

Ti-Max S970L Air Scaler

- LED Illumination
- 3 level Power Ring
- Titanium Body with Scratch Resistant DURACOAT
- Frequency of oscillation: 5,800-6,200 Hz
- Cellular Glass Optics
- Smooth 360 degree rotation

	OPTIC	MODEL	ORDER CODE	PRICE
	●	S970L	T1005	\$2,720
	—	S970	T1020	\$2,157
<ul style="list-style-type: none"> • Handpiece • 3 tips (S1, S2 & S3) • Tip Wrench (CR-20) • Tip Cover (L) 				

KAVO® COUPLING

●	S970KL	T1013	\$2,720
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SIRONA® COUPLING

●	S970SL	T1015	\$2,366
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MIDWEST 4 HOLE

(DIRECT-CONNECT / SCREW-ON TYPE)

—	AS2000 M4	T698	\$826
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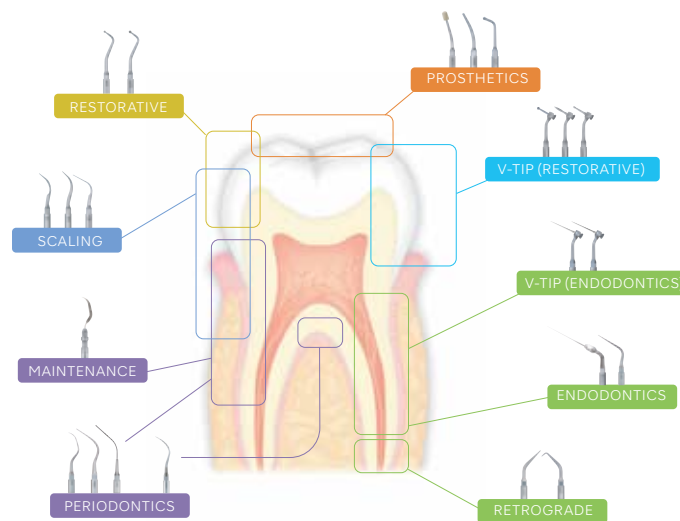
AS2000 Air Scaler

- Frequency of oscillation: 5,800-6,200 Hz

	OPTIC	MODEL	ORDER CODE	PRICE
	—	AS2000 M4	T698	\$977
<ul style="list-style-type: none"> • Handpiece • 3 tips (S1, S2 & S3) • Tip Wrench (CR-20) • Tip Cover (L) 				

NSK offers a wide choice of Air Scaler Tips for a variety of clinical applications

Please contact NSK Oceania or your NSK Dealer to request the NSK Tips Book which lists in detail all Air Scaler Tips and applications.



NSK Air Scalers

More detailed information



NSK Air Scaler Tips

More detailed information



ENDO-MATE TC2 & AT



STRESS FREE FOR MORE COMFORT

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design

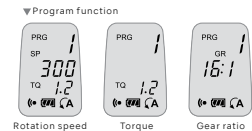
Mini head and slim neck

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 and Auto Reverse mode. Last program settings can be memorised when the power turns on.

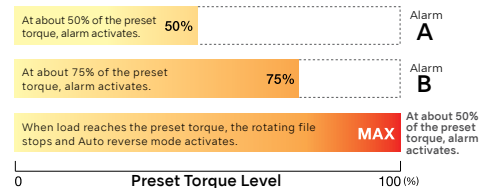


Safety for delicate endodontic treatment

Smart Auto Reverse and 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.

Two kinds of alarm for safer and efficient treatment

Alarm enables operators to prevent putting too much burden on files, realising less metal fatigue.



ENDO-MATE TC2 Complete Sets

- Compact endodontic motor has a wide range of torque and speed settings, allowing use Ni-Ti files from virtually all major manufacturers
- Fits major brands of files
- Torque control, with an auto-reverse function
- Compact and stylish design desktop unit
- Wide screen provides high visibility
- Flat control panel allows simple and user friendly operation
- Lightweight, smart and high visibility handpiece.



MODEL	ORDER CODE	PRICE
ENDO-MATE TC2	Y1001027	\$2,675
ENDO-MATE TC2 MPA	Y1001028	\$3,210

- MP-F16R Head (TC2) (TC2 MPA)
- ENDO-MATE TC2 Motor
- Battery Charger
- 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 AT

- This compact endodontic motor has a wide range of torque and speed settings, allowing use Ni-Ti files from virtually all major manufacturers
- Fits major brands of files
- Torque control, with integrated auto-reverse function
- Compact and stylish design desktop unit
- Large display screen provides high visibility
- Flat control panel allows simple and user friendly operation
- Lightweight, smart and high visibility handpiece.



MODEL	ORDER CODE	PRICE
ENDO-MATE AT (230v)	Y1002190	\$2,181

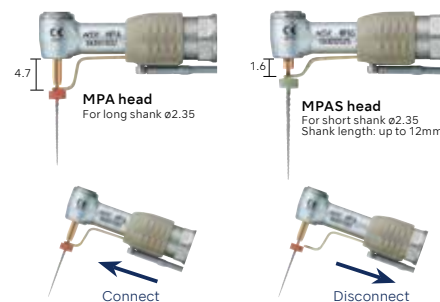
- Control unit
- Motor handpiece
- Contra Angle head (iFX75)
- Handpiece stand
- AC adaptor

ENDO-MATE TC2 / ENDO-MATE AT 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 & AT systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & AT, 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.

Suitable for use with most major brands of Ni-Ti files.

Rotation Speed (min ⁻¹)	Gear Ratio	Torque Level (Ncm)
200 ~ 900	10 : 1	0.2 ~ 2.2
140 ~ 550	16 : 1	0.3 ~ 3.0
100 ~ 450	20 : 1	0.4 ~ 4.0

MODEL	ORDER CODE	PRICE
MP-F20R	Y110044	\$902
• Miniature Head	• For Ni-Ti files (ø2.35)	
• Push Button Chuck	• 20:1 Reduction	
MP-F16R	Y110096	\$902
• 16:1 Reduction		
MP-F10R	Y110048	\$853
• 10:1 Reduction		
MPAS-F20R	Y110046	\$1,233
• Connection for Apex locator (for short shank)		
• 20:1 Reduction		
MPAS-F16R	Y110098	\$1,233
• 16:1 Reduction		
iFX75	C1098	\$665
• Endodontic Mini Head	• 16:1 Reduction	
• For Ni-Ti Files (Ø2.35)	• Fits Endo-Mate AT	
Endodontics Heads		



NSK Endodontics

More detailed information



The heads can be washed in the thermo-disinfectant



The heads are autoclavable up to 135°C

iPex II

Apex Locator

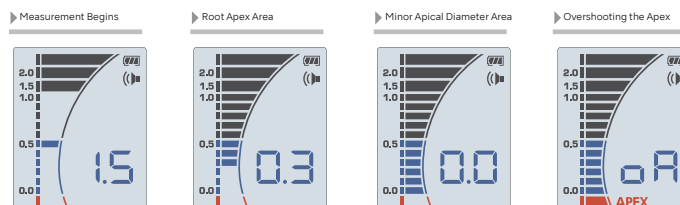


NEXT-GENERATION SMARTLOGIC CONTROLLER

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 AT/Contra-angle). The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPex II complete set

Precision Apex Locator

- 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



MODEL	ORDER CODE	PRICE
iPexII Complete Set	Y1002208	\$2,005

- Control unit
- iPexII Probe (1.8 m)
- iPexII File Clip (3 pcs.)
- Lip Hook (3 pcs.)
- AAA manganese dry batteries (3 pcs.)
- iPexII Tester
- Power Supply: for 1.5 V AAA (LR03 or R03) batteries
- Continuous use: Approx. 60 h
- Dimensions: W 60 x D 60 x H 86 (mm)
- Weight: 76 g (unit without batteries)

NSK iPex-II

More detailed information



Dentalone

HELPING YOU CARE. ANYWHERE.

The Dentalone offers a large range of instruments and functions giving practitioners the ability to perform a wide range of treatments outside of the traditional dental clinic:



- **NLX nano**
ELECTRIC CLINICAL MICROMOTORS
Smaller and lighter micromotor currently available.
- **Varios2 Lux**
ELECTRIC CLINICAL MICROMOTORS
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.



Dentalone complete set

Mobile Dentistry

- 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
- 1L waste container




MODEL	ORDER CODE	PRICE
Dentalone Complete Set	S9070	\$28,075

• 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 Table

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






NSK Dentalone
 More detailed information 

VIVA ace

WHEREVER POSSIBLE.

For more comfortable and 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

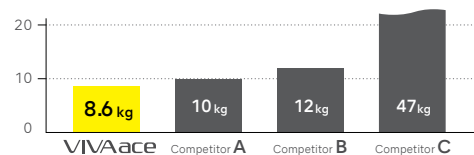
Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another.

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



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

3 in 1 syringe

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

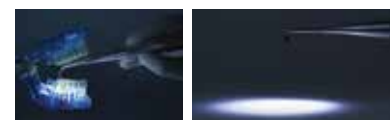


Light Probe (optional)

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.



isoE-LUX



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.

Suction

Built in ball lever valve to adjust suction power.



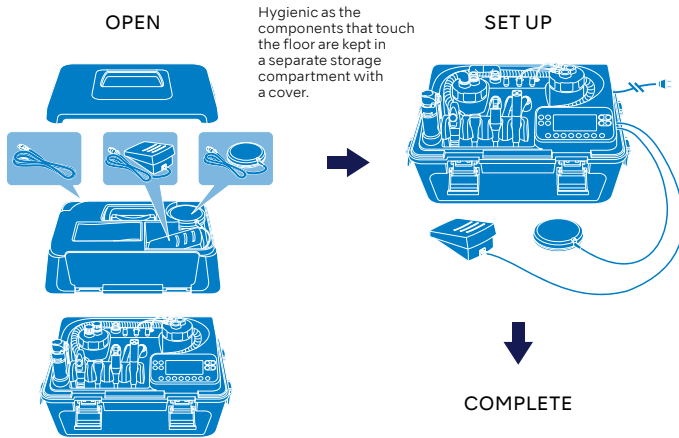
NSK VIVA ace

More detailed information



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.



VIVA ace complete set

Mobile Dentistry



MODEL	ORDER CODE	PRICE
VIVA ace Complete Set	Y1004228	\$24,890
<ul style="list-style-type: none"> • VIVA ace Basic Set • VIVA ace Motor Kit • VIVA ace Scaler Kit 		
Dimensions: W 462 × D 298 × H 284 (mm) • Unit weight: 8.6 kg • Power Supply: AC 100-240 V 50/60 Hz		

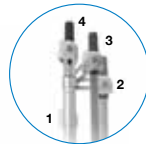


Storage is simple
Remove the handpieces for easy storage.



Very easy to maintain

MAX
51.6 cm



4-level adjustable height and angle

Adjustable to various positions whether standing or sitting.



VIVAMATE G5

VIVAMATE G5 complete set

Portable Led Micromotor

Control Unit Dimensions: W 72 x D 180 x H 36 (mm) • Unit weight: 370 g • Charge/Continuous use: 2 h/1 h (depending on workload)
 • [Micromotor] Dimensions: \varnothing 22 x L 68.6 (mm) • Unit weight: 148 g (Include Motor cord) • Speed: 3,000-30,000 min⁻¹
 • Torque: 3 Ncm (30,000 min⁻¹ while rotating)



MODEL	ORDER CODE	PRICE
VIVAMATE G5 230V	Y1002801	\$3,974

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

Internal spray LED micromotor

The compact size micromotor has been specifically developed for mobile dentistry and weights 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* helping you to manage the cost of a mobile dentistry set-up.



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.



NSK VIVAMATE G5

More detailed information



*Conformable to ISO 3964.

Surgic Pro2



GO BEYOND WITH SURGIC PRO2

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into 'Surgic Pro2'. There are 3 progress points, 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 of: operability, safety and wireless connectivity.



OPERABILITY

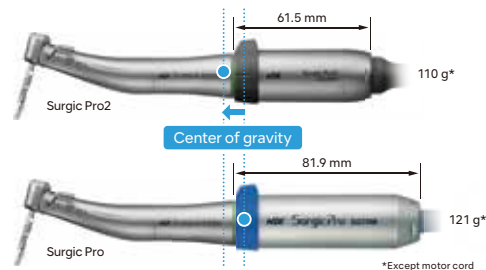
There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

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 strain-free, 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 colour 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 straightforward and the pump fits seamlessly in the compact and elegant design of Surgic Pro2.



WIRELESS EXTENSIBILITY

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



Linked with the 'VarioSurg 3' ultrasonic bone surgery system

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

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



Two devices can be controlled with only one foot control.

You can easily switch between Surgic Pro2 and VarioSurg 3 for improved flexibility and workflow.



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 customised 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.



Energy efficient design (3 x AAA batteries/ 6 months)

A flashing light indicates when the batteries are low

Water-resistance and IPX8 compatibility

WIRELESS CONNECTION WITH 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.



NSK Surgic Pro2

More detailed information



Surgic Pro2



SURGIC PRO2 COMPLETE SET WITH X-SG20L OPTIC HANDPIECE

OPTIC	MODEL	ORDER CODE	PRICE
•	Surgic Pro2 OPT	Y1500511	\$10,313

- Control Unit • SGL80M Optic Micromotor
- X-SG20L Optic Handpiece (20:1 Reduction)
- Foot Control Wireless • Irrigation tube (Pack of 3)
- Other accessories

SURGIC PRO2 COMPLETE SET WITH SG20 NON-OPTIC HANDPIECE

—	Surgic Pro2 NON-OPT	Y1500512	\$8,839
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- Control Unit • SGL80M Non-Optic Micromotor
- SG20 Handpiece (20:1 Reduction)
- Foot Control Wireless • Irrigation tube (Pack of 3)
- Other accessories

Control Unit with AHC

• Power Supply: AC100-240V 50/60 Hz • Max. Pump Output: 75 mL/min • Programs: 8 Programs / Implant Systems • Dimensions: W 245 × D 235 × H 90 mm

Micromotor

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

Foot Control Wireless

• Foot Control Functions: Coolant Solution Flow Volume Button, PRG(Program) Button, Forward/Reverse Button, Speed Control Pedal

SURGIC PRO2 2M CABLES

•	SGL80M	Y1004211	\$5,276
—	SG80M	Y1004212	\$4,194

WIRELESS LINK TOOLS (Surgic Pro2 x VarioSurg 3)

Link Module	Z1402001	\$391
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Connecting via the compact Wireless Link Set allows for operation of 2 surgical systems with a single wireless foot control • Link Box • Link Cable

Link Stand2	Z1452001	\$508
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SurgicPro 2 Carrying Case	Y1004219	\$1,477
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- Dimensions: W534 x D 427 x H 207 mm

Surgic Pro X VarioSurg 3

LINK TWO 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.



LINK TOOLS (Surgic Pro x VarioSurg 3)

NSK VarioSurg3 SG Link Set (Stand & Cable)	Y1002729	\$1319
<ul style="list-style-type: none"> Connecting via the Link Set allows for operation of 2 surgical systems with a single foot control 		
NSK VarioSurg3 SG Link (Cable only)	Z1189	\$193
<ul style="list-style-type: none"> Cable length 355mm 		

*Conformable to ISO 3964.

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

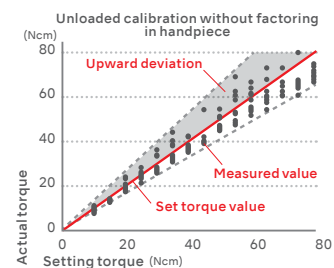
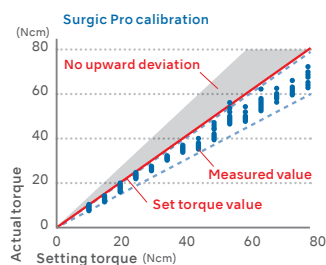
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

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.



SGL70M / 81.9 mm, 280 g*

SGL50M / 98.1mm, 322 g*

*Including motor cord

Well-balanced, with a compact and lightweight micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

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.



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 Surgic Pro's data log function** can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

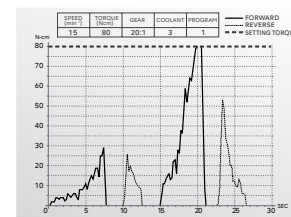
Data management

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



Easy treatment data handling

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



MODEL	ORDER CODE	PRICE
Irrigation Line	Y900113	\$155.60
<ul style="list-style-type: none"> • NSK Surgic XT/Surgic Pro/Variosurg Irrigation Tube (5pcs/set) 		

*Including motor cord

**Maximum internal memory capacity is 100 minutes

†USB memory stick not included.

‡ File formats: csv or bmp.

SurgicPro



SURGIC PRO+ COMPLETE SET WITH X-DSG20L OPTIC HANDPIECE

OPTIC	MODEL	ORDER CODE	PRICE
●	Surgic Pro+ OPT-D	Y1002096	\$11,352
<ul style="list-style-type: none"> Control Unit with Data Storage Facility SGL70M LED Micromotor (Surgic Pro+ OPT-D) FC-78 Foot Control • X-DSG20L Optic Handpiece (20:1 Reduction) • Irrigation Tube (5 pcs.) Other Accessories 			

SURGIC PRO+ COMPLETE SET WITH X-SG20L OPTIC HANDPIECE

●	Surgic Pro+ OPT-D	Y1001932	\$11,352
<ul style="list-style-type: none"> Control Unit with Data Storage Facility SGL70M LED Micromotor (Surgic Pro+ OPT-D) FC-78 Foot Control • X-SG20L Optic Handpiece (20:1 Reduction) • Irrigation Tube (5 pcs.) Other Accessories 			

SURGIC PRO COMPLETE SET WITH X-SG20L OPTIC HANDPIECE

●	Surgic Pro OPT	Y1001933	\$10,313
<ul style="list-style-type: none"> Control Unit without Data Storage Facility SGL70M LED Micromotor • FC-78 Foot Control X-SG20L Optic Handpiece (20:1 Reduction) Irrigation Tube (5 pcs.) • Other Accessories 			

SURGIC PRO COMPLETE SET WITH SG20 NON-OPTIC HANDPIECE

—	Surgic Pro NON-OPT	Y1001934	\$8,839
<ul style="list-style-type: none"> Control Unit without Data Storage Facility SG70M Non-Optic Micromotor • FC-78 Foot Control SG20 Handpiece (20:1 Reduction) Irrigation Tube (5 pcs.) • Other Accessories 			

SURGIC PRO MICROMOTOR - 2 METRE CORD OPTIONS

OPTIC	MODEL	ORDER CODE	PRICE
●	SGL70M	E1023001	\$5,276
—	SG70M	E1025001	\$4,194
<ul style="list-style-type: none"> Solid titanium body • with Cord 2 m 			

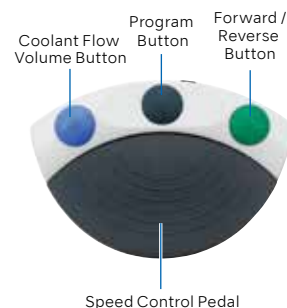
SURGIC PRO + MICROMOTOR - 3.5 METRE CORD OPTIONS

OPTIC	MODEL	ORDER CODE	PRICE
●	SGL70M	E1023002	\$5,742
—	SG70M	E1025002	\$4,659
<ul style="list-style-type: none"> Solid titanium body • with Cord 3.5 m 			



Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



MODEL	ORDER CODE	PRICE
FC-78	Z1102001	\$2,847
<ul style="list-style-type: none"> With 2 m cord 		

Handle Set (Optional)	Z1027001	\$432
<ul style="list-style-type: none"> Easy to attach foot control handle Hanger can easily be moved with the foot control. 		

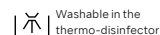
Carrying Case (Surgic Pro) (Optional)	Y1001952	\$1,477
<ul style="list-style-type: none"> NSK Surgic Pro/Variosurg Transport Case Surgical / Components 		

iCart Duo	\$9090	\$2,783
<ul style="list-style-type: none"> Install the control unit and accessories on the cart Dimensions: H 101.65 cm Weight: 16.5 kg 		

NSK Sterilization Cassette for Surgic XT/Pro	Z313101	\$746
<ul style="list-style-type: none"> Dimensions: W280 x D185 X H33 (mm) 		

NSK SurgicPro+

More detailed information



VarioSurg 3



Outstanding 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.



Stabilising 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)



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 optimise the level of power depending on the procedure.

Auto-Tuning function

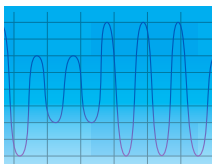
The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

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

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.



VarioSurg 3

- 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 100 (mm)



VARIOSURG 3 COMPLETE SET

OPTIC	MODEL	ORDER CODE	PRICE
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- VarioSurg 3 Y1002726 \$14,735

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

VARIOSURG 3 COMPLETE SET WITHOUT FOOT CONTROL

OPTIC	MODEL	ORDER CODE	PRICE
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- VarioSurg 3 Non FT Y1002248 \$11,890

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

VARIOSURG SCALER AND CABLE

OPTIC	MODEL	ORDER CODE	PRICE
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- VS3-LED-HPSC E1133 \$6,521

- with 2 m cord



VARIOSURG 3 ACCESSORIES

MODEL	ORDER CODE	PRICE
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- FC-78 Z1102003 \$2,847

- With 2 m cord



MODEL	ORDER CODE	PRICE
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- VA-SG-CASE 20001326 \$746
- NSK Sterilisation Cassette
- W281xD171.5 x H47(mm)
- For VarioSurg Components



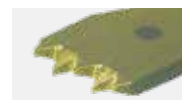
MODEL	ORDER CODE	PRICE
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- Carrying Case (VarioSurg 3) Y1001952 \$1,477
- NSK Surgic Pro/Variosurg Transport Case Surgical / Components



TIPS

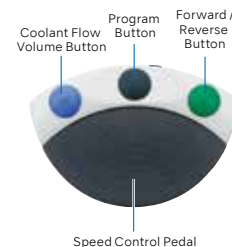
The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed



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.



VARIOSURG 3 KITS

MODEL	ORDER CODE	PRICE
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- Basic H-S Kit Y1002775 \$2,580

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

- Sinus Lift Kit Y900689 \$2,478

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



NSK VarioSurg Tips

More detailed information ▶



NSK VarioSurg 3

More detailed information ▶



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

OPTIC	MODEL	ORDER CODE	PRICE
●	X-DSG20L	C1068	\$3,466
—	X-DSG20	C1067	\$2,639



20:1 Reduction

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

TI-MAX X-DSG20LH DISMANTLING SURGICAL HANDPIECE HEXAGON CHUCKING SYSTEM

●	X-DSG20Lh	C1076	\$3,470
—	X-DSG20h	C1075	\$2,639



20:1 Reduction

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

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

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.



Implant Handpieces

Ti-Max X-SG20L

OPTIC	MODEL	ORDER CODE	PRICE
●	X-SG20L	C1003	\$3,215

20:1 Reduction

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

S-Max SG20

OPTIC	MODEL	ORDER CODE	PRICE
—	SG20	C1010	\$1,959

20:1 Reduction

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

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

Surgical Handpieces

Ti-Max X-SG93L

TRIPLE SPRAY

OPTIC	MODEL	ORDER CODE	PRICE
●	X-SG93L	C1004	\$3,089
—	X-SG93	C1007	\$2,953

1:3 Increasing

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

Ti-Max X-SG25L

OPTIC	MODEL	ORDER CODE	PRICE
●	X-SG25L	C1011	\$2,845

1:1 Direct Drive

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

Ti-Max X-SG65L

STRAIGHT HANDPIECE

OPTIC	MODEL	ORDER CODE	PRICE
●	X-SG65L	H1009	\$2,803
—	X-SG65	H1038	\$2,249

1:1 Direct Drive

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

Ti-Max Z-SG45L

TRIPLE SPRAY

OPTIC	MODEL	ORDER CODE	PRICE
●	Z-SG45L	C1107	\$2,625
—	Z-SG45	C1108	\$2,109

1:3 Increasing

- Titanium Body with Scratch Resistant DURACOAT
- 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
- DLC Coating • Max Speed: 120,000 min⁻¹

Micro Surgery Handpieces

STRAIGHT HANDPIECES



OPTIC	MODEL	ORDER CODE	PRICE
—	SGS-ES	H264	\$1,797

1:1 Direct drive

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



OPTIC	MODEL	ORDER CODE	PRICE
—	SGS-E2S	H266	\$2,106

1:2 Increasing

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

20° ANGLE HANDPIECES



OPTIC	MODEL	ORDER CODE	PRICE
—	SGA-ES	H263	\$2,491

1:1 Direct drive

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



OPTIC	MODEL	ORDER CODE	PRICE
—	SGA-E2S	H265	\$2,922

1:2 Increasing

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

ZYGOMATIC HANDPIECE



OPTIC	MODEL	ORDER CODE	PRICE
—	SGX-E20R	HA1200	\$3,640

20:1 Reduction

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



Can be used up to 80 Ncm



Washable in the thermo-disinfector



Autoclavable up to 135°C

NSK Implant Handpieces

More detailed information



Osseo 100+ / Osseo 100

OSSEOINTEGRATION MONITORING DEVICE

Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision 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 optimise 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.

Osseo 100: 3-step procedure

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

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

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.



WIRELESS CONNECTION WITH 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.



Osseo 100+ / Osseo 100

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

MODEL	ORDER CODE	PRICE
OSSEO 100+ WIRELESS CONNECTIVITY		
Osseo 100+	Y1004176	\$4,706
<ul style="list-style-type: none"> • Osseo 100+ Instrument • MultiTipeg Driver • Mains adapter and plugs <p>MultiTipeg™ is not included, sold separately.</p>		
OSSEO 100 STAND ALONE		
Osseo 100	Y1004175	\$ 3,861
<ul style="list-style-type: none"> • Osseo 100 Instrument • MultiTipeg Driver • Mains adapter and plugs <p>MultiTipeg™ is not included, sold separately.</p>		
Reusable MultiTipeg™		\$83
<ul style="list-style-type: none"> • For all major implant systems* • Tissue friendly, durable titanium • Autoclavable appx 20 times • Optimal platform fit • ISQ Standard Calibrated <p>*There are different MultiTipeg™s available made to fit different implant system and types. Please refer to the updated list from the supplier.</p>		
Osseo Sterile cover	55105	\$109
<ul style="list-style-type: none"> • Osseo Sterile Cover (Box of 20pcs) Surgical \\\ Osseo 100 		

*This not a clinical recommendation from NSK. †Varies depending on usage situations.

1. Sennerby L Prof., Implantologie 2013; 21(1): 21-23 2. Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hammerle C. Clinical Oral Implants Research, 00, 2013, 1-6 3. M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009 4. Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016 5. P O Ostman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg, Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015 6. Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261 7. Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012 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 Bragger. Clin. Oral Impl. Res. 00, 2015; 1-9 10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petrucci. Oral & Implantology - anno IX - n. 3/2016

NSK Osseo 100

More detailed information ▶



NSK MultiTipeg

More detailed information ▶



iSD900



CORDLESS PROSTHODONTIC SCREWDRIVER

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



iSD900

Cordless Prosthodontic Screwdriver

- 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




iSD900 COMPLETE SET

MODEL	ORDER CODE	PRICE
iSD900	Y1001358	\$4,260

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

*These may change according to the usage environment.

NSK iSD900
More detailed information



iCare

THE STANDARD IN HANDPIECE MAINTENANCE AND CARE



Automatically lubricate

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.

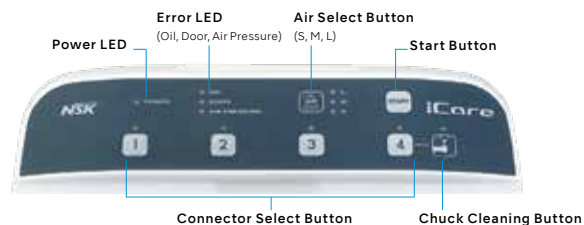
Preset proper solution volume based on handpiece type

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.



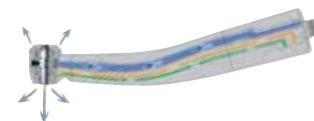
Ergonomic and easily readable large panel

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.



Chuck Cleaning Function

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



HP Head Filter prevents mist leaks (optional)

HP Head Filter is made to absorb any spray mist generated, which prevents mist leaks.



Easy to clean

iCare's front door can be completely removed to allow fast, easy cleaning of the system.



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 refills.



Accommodates both NSK handpieces and those of other brands

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

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 quantity and an unlocked front door.

Stylish and compact

In the pursuing ultimate ease of use, NSK has given iCare the power to perform automatic maintenance for 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

- 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
- Air piping is necessary (5.0-6.0 kgf/cm²)

MODEL	ORDER CODE	PRICE
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DUAL STANDARD CONNECTORS + DUAL ROTATION CONNECTORS

iCare C2 Type	Y1002787	\$6,487
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SINGLE STANDARD CONNECTOR + TRIPLE ROTATION CONNECTORS

iCare C3 Type	Y1002788	\$6,929
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- iCare unit
- Power cord
- Chuck Cleaning Nozzle
- Maintenance oil for iCare (1 litre)
- Mist filter set
- Oil absorber sheet
- Air tube

Do not use iCare to lubricate air scalers 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 with PANA SPRAY Plus.



NSK iCare
More detailed
information



iCare adaptors

NSK HIGH SPEED HANDPIECES	MODEL	ORDER CODE	PRICE
	PTL Adaptor	Z257010	\$282
	<ul style="list-style-type: none"> • For NSK High Speed Handpieces for PTL-CL-LED Coupling 		
KAVO® HIGH SPEED HANDPIECES			
	KV Adaptor	Z257020	\$282
	<ul style="list-style-type: none"> • For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling 		
SIRONA® COUPLING			
	SR Adaptor	Z257023	\$282
	<ul style="list-style-type: none"> • For Sirona® High Speed Handpieces for Quick Coupling 		
W&H® ROTO QUICK			
	WH Adaptor	Z257021	\$282
	<ul style="list-style-type: none"> • For W&H® High Speed Handpieces for Roto Quick Coupling 		
BIEN-AIR® UNIFIX®			
	BA Adaptor	Z280022	\$282
	<ul style="list-style-type: none"> • For Bien-Air® High Speed Handpieces for Unifix® Coupling 		
BORDEN 2 HOLE			
	B2/M4 Adaptor	T904	\$125
	<ul style="list-style-type: none"> • For Borden 2 hole High Speed Handpieces 		
F-TYPE ADAPTOR			
	F-Type Adaptor	Z280042	\$282
	<ul style="list-style-type: none"> • For ENDO-MATE TC2, AT, ISD900 Heads 		
MORITA ADAPTOR			
	NSK Care 3 Adaptor	Z257048	\$282
	<ul style="list-style-type: none"> • For Morita Highspeed Handpiece 		

Refill maintenance oil



MODEL	ORDER CODE	PRICE
Maintenance Oil for iCare (1 bottle, 1 litre)	Z016130	\$270
Mist Filter Set	Y900159	\$65
<ul style="list-style-type: none"> • Pack of 12 		
Oil Absorber Sheet	U433135	\$19
<ul style="list-style-type: none"> • Pack of 10 		

Multi Stands

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



MODEL	ORDER CODE	PRICE
Multi Stand Complete	Z036	\$290
• For NSK high speed and low speed attachments		
Multi Stand for Phatelus	Z036002	\$193
• 3 x Adaptor A • 2 x Adaptor C		



Multi Stand Handpiece Adaptors



MODEL	ORDER CODE	PRICE
Adaptor A	Z036201	\$11
• For High speed handpieces and Phatelus air motors		
Adaptor B	Z036202	\$11
• For E-Type • Low speed handpieces and Phatelus air motor heads*		
Adaptor C	Z036203	\$11
• For Phatelus and Mach couplings		
Adaptor KV	Z036204	\$11
• For KaVo® MULTiflex® LUX		
Adaptor SR	Z036205	\$11
• For Sirona® Quick Coupling		
Adaptor WH	Z036207	\$11
• For W&H® Roto Quick		
Adaptor BA	Z036206	\$11
• For Bien-Air® Unifix®		
Adaptor F	Z036209	\$11
• For ENDO-MATE TC2/AT/DT & iSD900 heads		

*E-Type: Conformable to ISO 3964

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

PANA SPRAY Plus



SPECIALLY FORMULATED HANDPIECE LUBRICANT

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.

PANA SPRAY Plus



MODEL	ORDER CODE	PRICE
Pana Spray Plus Package	Y900630	\$318
<ul style="list-style-type: none"> • For High and Low speed handpieces, and air motors • 500 mL • Alcohol-contained lubricant • PANA SPRAY Plus pack of 6 		
Tip Nozzle	Z020201	\$3

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	PRICE
Spray Mist Absorber	Y900084	\$168
<ul style="list-style-type: none"> • Pack of 10 		

NSK Pana Spray Plus

More detailed information ▶



Multi Gauge

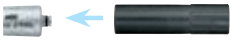






Measures handpiece tubing pressure. This includes drive air and water pressures. Where applicable it also measures exhaust air and coolant air.



MODEL	ORDER CODE	PRICE
MG-4H • For Midwest 4 hole and LUX Coupling	Z109400	\$836
MG-2/3H • For Borden 2/3 hole	Z109200	\$836

PANA SPRAY Plus nozzles



NSK HIGH SPEED NOZZLES	MODEL	ORDER CODE	PRICE
	Phatelus Spray nozzle	P183090	\$18
	• For high speed attachments and air motors which attach to Phatelus and Mach Couplings		
KAVO® NOZZLES			
	KV Nozzle	Z090051	\$34
	• For KaVo® MULTIflex® LUX		
SIRONA® NOZZLES			
	SR Nozzle	Z090052	\$34
	• For Sirona® Quick Coupling		
W&H® ROTO QUICK NOZZLES			
	WH Nozzle	Z090054	\$34
	• For W&H® Roto Quick Coupling		
BIEN-AIR® UNIFIX® NOZZLES			
	BA Nozzle	Z090053	\$34
	• For Bien-Air® Unifix®		
E-TYPE SPRAY NOZZLES			
	E-Type Spray Nozzle	Z019090	\$21
	• For E-Type® attachments		
F-TYPE SPRAY NOZZLES			
	F-Type Spray Nozzle	Z256090	\$22
	• For ENDO-MATE TC2, AT and iSD900 Heads		

Contra-angles, Handpieces, Shanks and Heads

Always select the correct spray nozzle before cleaning and lubrication

It is preferable to purge any excess solution by briefly operating the handpiece. When purging cover the handpiece head with a tissue. Firmly attach the nozzle onto the valve at the top of the Pana Spray Plus can. Keep the spray can in an upright position.

E Type (all brands) Z019-090



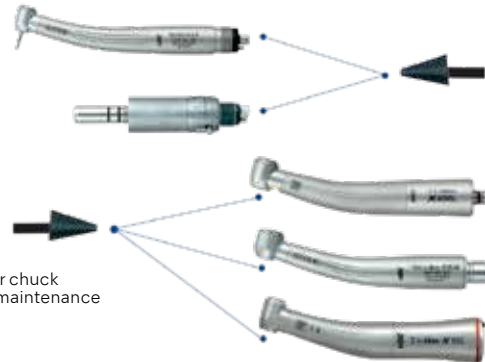
ISO E Type (all brands) and NSK Surgical Heads
SGM-I, SGMS-I & SGQ-H Z114-090



NSK HEADS used with ENDO-MATE DT, TC, TC2, AT, ISD900
and TASKAL Wizard Z256-090



Tip nozzle for Borden 2/3 and Midwest 4 hole turbines
and Borden 2/3 and Midwest 4 hole air motors Z020-201



Tip nozzle for chuck
mechanism maintenance
Z020-201

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Care and maintenance instructions

1. PREPARATION

- Remove handpiece from tubing
- Remove bur
- Do not submerge handpiece in any solution

2A. AUTOMATIC CLEANING AND DISINFECTION USING A THERMO/WASHER DISINFECTOR

- Always ensure that handpieces are placed on the correct adaptors
- Cleaning agent pH level must be between 2.5-10.5
- Rinse cycle must be activated
- OR (if automatic method is not available see 2b below)

2B. MANUAL CLEANING USING TAP WATER, BRUSHES AND CLOTHS

- Clean handpiece under cold or tepid running water

3. INSPECT

- Inspect handpieces for debris and repeat above process if necessary

4. DRYING

- The drying procedure is normally part of the cleaning programme of the thermo/washer disinfecter alternatively dry manually using a tissue

5A. AUTOMATIC LUBRICATION USING NSK iCARE

- Check machine is connected and working correctly
- Connect handpiece to correct port
- Select appropriate cycle (refer to NSK iCare user manual)
- Always lubricate straight handpieces with closed chuck and blanking piece inserted
- Always complete steps 2,3,4,5 in quick succession
- Lubricate the Chuck Mechanism by using the chuck cleaning function on the iCare

5B. MANUAL LUBRICATION USING NSK PANA SPRAY PLUS

- Select correct nozzle for handpiece (see list below)
- Shake spray can
- Keep spray can in upright position
- Insert nozzle into handpiece
- Always lubricate straight handpieces with closed chuck and blanking piece inserted
- Spray handpiece for 2-3 seconds holding a clean tissue over the head end
- Check tissue for debris and if oil is not running clean repeat process until handpiece is clean and free of debris
- Lubricate chuck mechanism using PANA SPRAY plus with tip nozzle weekly
- Always complete steps 2, 3, 4, 5 in quick succession

Purge out excess lubricant from the handpiece after manual lubrication

6. PACKAGING

- Pack in accordance with current applicable standards/legislation if using a B or S type autoclave. If using an N type autoclave, pack AFTER sterilisation

7. STERILISATION

- NSK Handpieces are autoclavable up to 135°C. Always remove from autoclave as soon as cycle is complete

8. STORAGE

- Store handpieces protected from dust, dirt and microorganisms, ideally in an upright position (head up)
- Handpieces MUST be stored dry
- Always comply with expiry dates of sterilised items in accordance with current applicable standards/legislation

NSK Reprocessing Guides

More detailed information ▶



AUTOMATIC LUBRICATION USING NSK iCARE IS SIMPLE

Always select the correct adaptor before lubrication



E-Type Handpiece
For All Brands ISO E-Type and E-Type LUX
Low Speed handpiece attachments –
Z280-035 E-Type



NSK Coupling
For High Speed handpieces that connect
to NSK couplings – Z257010 NSK



Borden 2 hole
For Borden 2 hole High Speed handpieces –
T904 Borden*



Kavo Coupling
For High Speed handpieces that connect
to Kavo® Multiflex LUX® couplings –
Z257020 Kavo*



Sirona Coupling
For High Speed handpieces that connect to
Sirona® Quick couplings – Z257023 Sirona*



W&H Coupling
For High Speed handpieces that connect
to W&H® Roto Quick® couplings –
Z257021 W&H*



Bien Air Coupling
For High Speed handpieces that connect
to Bien-Air® Unifix® couplings –
Z280022 Bien-Air*



F-Type Head
For ENDO-MATE DT, TC/TASKAL Wizard
Heads – Z280-042 F-Type

For High Speed handpieces that connect to
Morita Twin Power couplings – Z257048

A.

Check oil level indicator light.
Add more oil if required (light
will come on when oil comes
down to 150ml or less).



B.

Open the door and connect 1, 2,
3 or 4 handpieces to the correct
handpiece adaptor. Close the
door (iCare will not operate if
the door is open).



C.

Select the desired purge
programme Mode.
By selecting the selection
button (1, 2 or 3), until the mode
light is illuminated.

S: Short/M: Middle/L: Long



- S Mode for High Speed handpieces (air turbines)
Cycle time 28 seconds
- S Mode for Blue band Low Speed handpieces and NSK heads Cycle time 50 secs
- M (Middle) Mode for High Speed handpieces (air turbines)
Cycle time 30 seconds
- M (Middle) Mode for Blue band Low Speed handpieces and NSK heads Cycle time 64 secs
- L (Long) Mode for High Speed handpieces (air turbines)
Cycle time 33 seconds
- L (Long) Mode for Blue band Low Speed handpieces and NSK heads Cycle time 84 secs

D.

Press the 'Start' button.
The door should not be opened
until the cycle
is finished.



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.

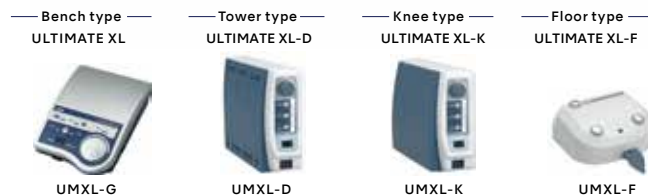
Advantages

- 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.



Ultimate XL series



ULTIMATE XL BENCH TOP CONTROL SYSTEM

	MODEL	ORDER CODE	PRICE
TORQUE	UMXL-GT	Y141469	\$3,466
COMPACT	UMXL-GC	Y141470	\$3,466



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

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-D BENCH TOP TOWER SYSTEM

	MODEL	ORDER CODE	PRICE
TORQUE	UMXL-DT	Y141504	\$3,466
COMPACT	UMXL-DC	Y141505	\$3,466



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

An optional bracket is available for wall mounting.

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-K KNEE CONTROL SYSTEM

	MODEL	ORDER CODE	PRICE
TORQUE	UMXL-KT	Y141495	\$3,466
COMPACT	UMXL-KC	Y141496	\$3,466



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

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-F FLOOR TYPE FOOT CONTROL SYSTEM

	MODEL	ORDER CODE	PRICE
TORQUE	UMXL-FT	Y141513	\$3,466
COMPACT	UMXL-FC	Y141514	\$3,466



- Control unit • Micromotor Handpiece • Foot Control • Handpiece Stand • Speed of 1,000-50,000 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

SPECIFICATIONS

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

MODEL	ORDER CODE	PRICE
Ultimate 500 bracket	U364090	\$52
• NSK Ultimate 500 Bracket set for 500D/500K and XL-D/XL-K		



NSK Ultimate XL

More detailed information



Ultimate XL Torque and Compact

MICROMOTOR AND CORD

- 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

	MODEL	ORDER CODE	PRICE
TORQUE	UMXL-T 2M	Y141441	\$2,461



- Speed: 1,000-50,000 min⁻¹
- Max. Torque: 8.7 Ncm
- Dimensions: L 151 x ø29 (mm)
- Weight: 215 g (Cord not included)
- Cord Length: 2 m

	MODEL	ORDER CODE	PRICE
COMPACT	UMXL-C 2M	Y141445	\$2,461



- Speed: 1,000-50,000 min⁻¹
- Max. Torque: 6.0 Ncm
- Dimensions: L 144 x ø29 (mm)
- Weight: 181 g (Cord not included)
- Cord Length: 2 m

	MODEL	ORDER CODE	PRICE
E-TYPE	UMXL-EM 2M	E342002	\$2,525



- NSK Ultimate XL E-Type Motor
- Speed: 1,000-50,000 min⁻¹
- Max. Torque: 6.0 Ncm
- Dimensions: L 118 x ø29 (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	PRICE
TORQUE	TA50	U375	\$489



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

Air turbine



PRESTO AQUA LUX



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

LIGHT AND COMPACT TO FIT INTO THE SMALLEST SPACE

The VOLVERE i7 is another advance in NSK's quest to provide dental technicians access to its globally renowned dental laboratory engines. The stylish VOLVERE i7 delivers a compact, advanced design, all essential features and excellent value for money.



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.

VOLVERE i7 complete sets

- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration and Low Noise
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Minimal noise and vibration
- Overload alarm system.

	MODEL	ORDER CODE	PRICE
COMPLETE WITH STANDARD MICROMOTOR	VOLVERE i7 RM	Y1003493	\$2,500
E-TYPE MICROMOTOR WITHOUT HANDPIECE	VOLVERE i7 E	Y1003494	\$2,058

- 35,000 rpm
- 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



NSK VOLVERE i7

More detailed information



PRESTO Aqua

TECHNOLOGY + FUNCTION



Water Coolant Options

The water coolant can be seamlessly adjusted from water droplets to a fine water/air mist spray. Both the volume of water and the spray air can be adjusted independently to achieve the ideal working conditions for any material and application: very fine minimal water spray used for preventing micro-cracks to higher volume of water spray used for flushing away debris during cutting.

Special Dust-proof Mechanism

Swivel twist-free handpiece has a patented built-in dust-proof system to prevent the infiltration of debris into the bearings.

Advantages

- Simple and easy removal of the water bottle
- On-Off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



Easy adjustment of the water coolant spray and spray air



LUBE FREE AIR TURBINE HANDPIECE WITH WATER SPRAY

PRESTO Aqua II complete set

- 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



MODEL	ORDER CODE	PRICE
PRESTO AQUA II	Y150023	\$4,416

- 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	PRICE
PRA-HP	T816	\$1,952

- PRESTO Aqua handpiece

NSK PRESTO Aqua

More detailed information



NSK TECH

YOUR NSK PRODUCTS CAN BE SERVICED
IN NEW ZEALAND BY THE COMPANY
THAT MANUFACTURED THEM IN JAPAN.

TO FIND OUT MORE PLEASE CALL FREE PHONE
0800 443 321 OR VISIT OUR NSK TECH WEBSITE –
NSKTECH.COM.AU

**For expert factory service and fast response send your
NSK products direct to NSK Tech.**

By Post or Courier:

Suite D, 272 Parnell Road
Parnell, Auckland 1052
New Zealand

Precision Service

Located in Auckland, the New Zealand NSK Technical Centre is a unique NSK factory-equipped technical service facility with the capability to rapidly restore all NSK products to their original NSK factory high performance specifications.

Tech Expertise

- Rapid response – fast turnaround
- Dedicated service only for NSK products
- Individual product service history record maintenance
- Expert NSK factory-trained Precision Technicians
- NSK Tech uses only genuine NSK parts, components, tools and factory diagnostic equipment
- NSK factory-guaranteed
- Certified ISO 9001:2008

NSK Tech

More detailed
information





NSK quality authorised dealer network

NSK'S AUTHORISED DISTRIBUTORS THROUGHOUT NEW ZEALAND



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Tel: (09) 477 0285 or 0800 800 085
Email: orders@aluro.co.nz
Web: www.aluro.co.nz



ORALTEC NZ

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Fax: (09) 478 2221
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Web: www.neoss.com
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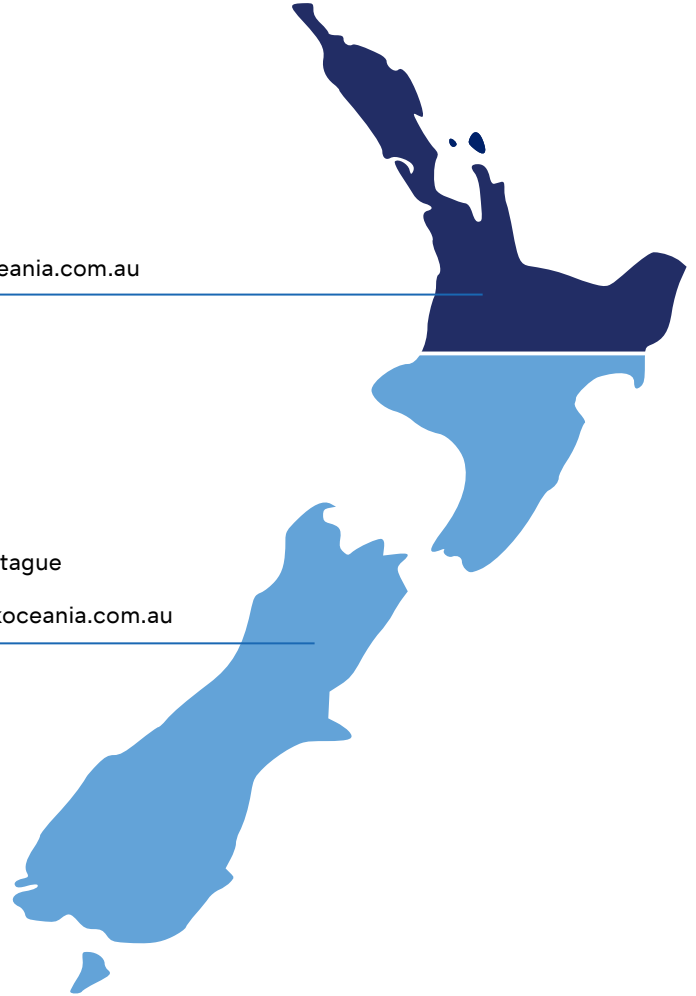
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