



09

Handpieces

Handpieces

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Handpieces

High-Speed Handpieces

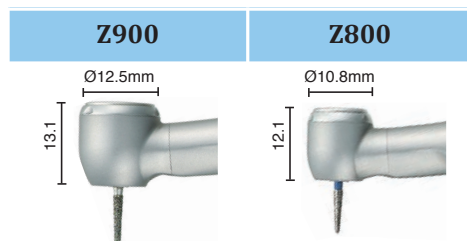


Ti Max Z series / NSK

Non-Optic
Available



- Titanium Body with Scratch Resistant DURACOAT
- ISB Turbine
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



	Z900	Z800
Item Code	NSK-P1133	NSK-1132
Head	Standard	Miniature
Speed	320,000 ~ 400,000 min ⁻¹	360,000 ~ 440,000 min ⁻¹
Power	26W	23W

Model	Couplings	Packing	Item no.
Z900L	NSK Coupling	Each	NSK-P1111
Z800L			NSK-P1110
Z900KL	KaVo Coupling	Each	NSK-P1113
Z800KL			NSK-P1112
Z900SL	Sirona Coupling	Each	NSK-P1115
Z800SL			NSK-P1114
Z900WL	W&H Coupling	Each	NSK-P1121
Z800WL			NSK-P1120



Ti Max X series / NSK

Ti-Max X



Non-Optic
Available

30% Lighter than Stainless Steel
More Durable & Corrosion Resistant

- Titanium Body with Scratch Resistant DURACOAT
- ISB Turbine
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



	X500	X600	X700
Item Code	NSK-P861	NSK-P862	NSK-P863
Head	Miniature	Standard	Torque
Speed	390,000 ~ 450,000 min ⁻¹	380,000 ~ 440,000 min ⁻¹	300,000 ~ 360,000 min ⁻¹
Power	17W	21W	22W

Model	Couplings	Packing	Item no.
X700L	NSK Coupling	Each	NSK-P497
X600L			NSK-P496
*X500L			NSK-P495
X700KL	KaVo Coupling	Each	NSK-P859
X600KL			NSK-P858
*X500KL			NSK-P857
X700SL	Sirona Coupling	Each	NSK-P842
X600SL			NSK-P841
X500SL			NSK-P840
X700WLED	W&H Coupling	Each	NSK-P1102
X600WLED			NSK-P1101
X500WLED			NSK-P1100

* Short shank burs only



Handpieces

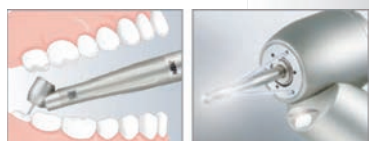
High-Speed Handpieces



Ti-Max X450 series / NSK

45° Angle Head enables an easy access to hard-to-reach areas

Ti-Max X450



- Triple Water Jet & Cellular Glass Optics - effectively cools heat generated during treatment
- Titanium Body with Scratch Resistant DURACOAT
- Only 25mm long bur is applicable (Recommend HS FG Carbide)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck



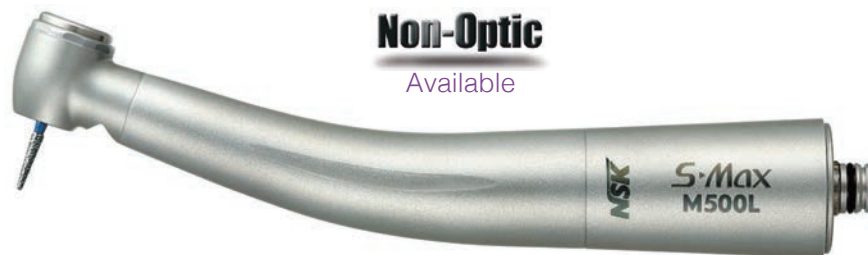
Head	Standard Head
Speed	380,000 ~ 450,000 min ⁻¹
Head Size	Ø11.2 x (H)13.5mm

	NSK (Optic)	NSK (Non-Optic)	KaVo	Sirona	W & H	QD	M4
Model	X450L	X450	X450KL	X450SL	X450WLED	X450QD	X450M4
Packing	Each						
Item no.	NSK-P1078	NSK-P1088	NSK-P1079	NSK-P1080	NSK-P1082	NSK-P1086	NSK-P1092

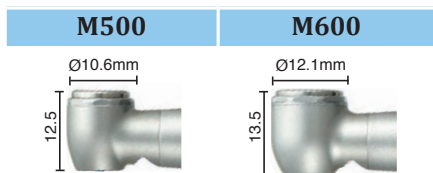
Remark: For FG extra-long bur (25mm) only



S-Max M series / NSK



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



	M500	M600
Item Code	NSK-P1003	NSK-P1004
Head	Miniature	Standard
Speed	380,000 ~ 450,000 min ⁻¹	360,000 ~ 430,000 min ⁻¹
Power	16W	17W

Model	Couplings	Packing	Item no.
M500L		Each	NSK-P1001
M600L			NSK-P1002
M500KL		Each	NSK-P1005
M600KL			NSK-P1006
M500SL		Each	NSK-P1009
M600SL			NSK-P1010
M500WLED		Each	NSK-P1095
M600WLED			NSK-P1096



Anesthetics
Articulating
Bur and Abrasives
Cosmetics
Diagnostic
Disposables
Endodontics
Equipment
Handpieces
Implant
Infection Control
Instruments
Isolation
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Oral Surgery
Orthodontics
Patient Education and Gift
Pedodontics
Periodontal
Post and Core
Preventive
Prosthodontics
Restorative
Uniform

Handpieces

High-Speed Handpieces



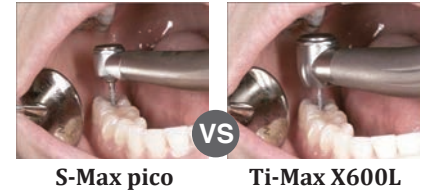
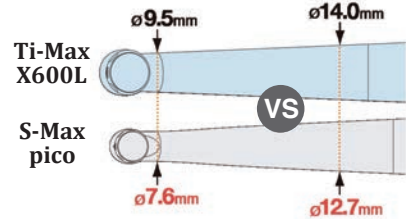
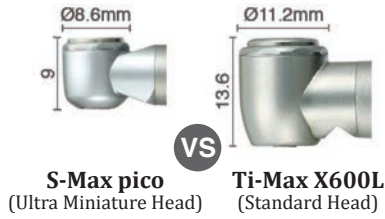
S-Max pico / NSK

The Smallest Head Size in the world



1 pack of pico bur set (PC1-6/six-pack) included

Comparison between Ti-Max X600L & S-Max pico



S-Max pico	
Head	Ultra-Mini
Speed	450,000 min ⁻¹
Power	9W

	Optic				Non-Optic	
	NSK	KaVo	Sirona	W & H	QD	M4
Model	PicoPTL	PicoKL	PicoSL	PicoWLED	Pico QD	Pico M4
Packing	Each					
Item no.	NSK-P1140	NSK-P1142	NSK-P1143	NSK-P1145	NSK-P1173	NSK-P1217

Remark: For short shank burs / ultra short shank burs

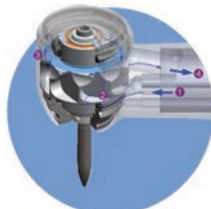


Elite Series - EVO 500

/ TTBio



✓ TTBio Top Range Handpiece with Premium Quality and Outstanding Durability



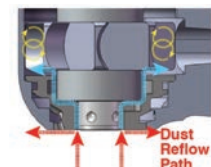
Patented TTBio Booster System (TBS)

Exhaust air is guided by a special asymmetric impeller to minimize turbulence which improves torque significantly and prevents dragging of bur even under heavy loaded operation



High Efficiency Quadro Spray

High efficiency fluid dynamic design delivers finest cooling mist



Unique Anti-Suction Design

Exhaust airflow balances pressures from inside and outside prevents the dusts from entering

	Optic		Non-Optic		Optic		Non-Optic		Optic		Non-Optic	
	NSK				KaVo				W & H			
Model	Model No.	Item No. (TTB-)	Model No.	Item No. (TTB-)	Model No.	Item No. (TTB-)	Model No.	Item No. (TTB-)	Model No.	Item No. (TTB-)	Model No.	Item No. (TTB-)
Packing	Each											
Standard Head	EVO 500K TL	08010101	EVO 500K T	08010102	EVO 500N TL	08010105	EVO 500N T	08010106	EVO 500W TL	08010122	EVO 500W T	08010123
Mini Head	EVO 500K ML	08010103	EVO 500K M	08010104	EVO 500N ML	08010107	EVO 500N M	08010108	EVO 500W ML	08010124	EVO 500W M	08010125



Handpieces

High-Speed Handpieces



Tiger 500 Series High-Speed Handpieces / TTBio

- Titanium-coated surface - surface mark resistant
- Triple Spray with finest mist
- 3D ergonomic handle (18°) with anti-slip grip
- Quick release chucking system
- Built-in Glass Rod (with high lighting performance even after repeated uses)

■ 500K - TL/ML



	Torque Head	Mini Head
Model no.	500K-TL	500K-ML
Head	Torque Head	Mini Head
Head Size	Ø12 x (H)12.4mm	Ø10.5 x (H)12.1mm
Rotation Speed	≥ 300,000 rpm	≥ 350,000 rpm
Burr Spec.	Ø1.59 ~ Ø1.60 (mm) Length 19 ~ 25	Ø1.59 ~ Ø1.60 (mm) Length 16 ~ 21
Connection	TTBIO EZclick-KL (KaVo® MULTiflex LUX®)	TTBIO EZclick-KL (KaVo® MULTiflex LUX®)

Head	Model no.	Packing	Item no.
Torque Head	500K-TL	Each	TTB-08010077
Mini Head	500K-ML		TTB-08010079

■ 500N - TL/ML



	Torque Head	Mini Head
Model no.	500N-TL	500N-ML
Head	Torque Head	Mini Head
Head Size	Ø12 x (H)12.4mm	Ø10.5 x (H)12.1mm
Rotation Speed	≥ 300,000 rpm	≥ 350,000 rpm
Burr Spec.	Ø1.59 ~ Ø1.60 (mm) Length 19 ~ 25	Ø1.59 ~ Ø1.60 (mm) Length 16 ~ 21
Connection	TTBIO EZclick-NL (NSK® Mach®)	TTBIO EZclick-NL (NSK® Mach®)

Head	Model no.	Packing	Item no.
Torque Head	500N-TL	Each	TTB-08010081
Mini Head	500N-ML		TTB-08010083

NSK DynaLED / NSK

DynaLED

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



Non-Optic

VS



Optic (NSK L)



Midwest 4 Holes

QD-J



	Standard Head	Miniature Head (Both standard and short shank burs are applicable)
Speed	330,000 ~ 430,000 min ⁻¹	380,000 ~ 450,000 min ⁻¹
Head Size	Ø12.1 x (H)13.3mm	Ø10.6 x (H)12.4mm
Power	25,000 LUX	25,000 LUX

Head	Standard	Miniature	Standard	Miniature
Model	M600LG M4	M500LG M4	M600LG QD	M500LG QD
Packing	Each			
Item no.	NSK-P-1104	NSK-P-1105	NSK-P-1108	NSK-P-1109



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Patient Education and Gift
Pedodontics
Periodontal
Post and Core
Preventive
Prosthodontics
Restorative
Uniform

Handpieces

High-Speed Handpieces

HENRY SCHEIN®
T3 High-Speed Handpieces
 / Henry Schein

Non-load Speed	Approx. 400,000 rpm
Head Diameter	11.4mm
Head Height	14.8mm
Power	17W
Weight of Handpiece	Approx. 53g
Recommended Diamond Size (ISO)	314/315
Driving Air Pressure	2.7 bar

	Quick Connection	Fixed Connection
	T3 Racer Turbina	T3 Racer Midwest
	Sirona Quick Coupling B	
Packing	Each	Each
Item no.	HSPL-6336874	HSPL-6336882

Pana-Max Plus
 / NSK

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

	Standard Head	Miniature Head
Speed	360,000 ~ 430,000 min ⁻¹	380,000 ~ 450,000 min ⁻¹
Head Size	Ø12.1 x (H)13.3mm	Ø10.6 x (H)12.4mm

	Midwest 4 Holes		QD-J	
Head	Standard	Miniature	Standard	Miniature
Model	PAP-SU M4	PAP-MU M4	PAP-QD SU	PAP-QD MU
Packing	Each			
Item no.	NSK-P1022	NSK-P1021	NSK-P1016	NSK-P1015

Tiger 300 Series High-Speed Handpieces
 (Quick Connection) / TTBio

- Chrome-coated surface - impact resistant
- Triple Spray with finest mist
- 3D ergonomic handle with anti-slip grip
- Quick release chucking system
- **Excellent price to performance ratio**

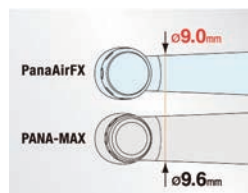
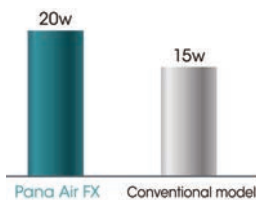
	Torque Head	Mini Head
Model no.	300N-3T	300N-3M
Head	Torque Head	Mini Head
Head Size	Ø12 x (H)12.4mm	Ø10.5 x (H)12.1mm
Rotation Speed	≥ 300,000 rpm	≥ 350,000 rpm
Burr Spec.	Ø1.59 ~ Ø1.60 (mm) Length 19 ~ 25	Ø1.59 ~ Ø1.60 (mm) Length 16 ~ 21
Connection	NSK® QD-J	NSK® QD-J

	Head	Model no.	Packing	Item no.
Torque Head		300N-3T	Each	TTB-08010053
Mini Head		300N-3M		TTB-08010062

Handpieces

High-Speed Handpieces

NSK Pana Air FX / NSK



✓ 30% Power Boost

- Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class
- Create a synergistic effect that ensures fast, precise treatments

✓ Slim-Line Stainless Steel Body

- Guarantee excellent accessibility to the entire oral cavity. As a result, visibility of the treatment area is maximized, allowing you to work with total efficiency

- Stainless Steel Body and Head
- Ceramic Bearings
- Clean Head System
- NSK Ultra Push Chuck
- Single Spray
- Air Pressure Regulating Valve

Push Button



Wrench Type



Head	Standard	Torque	Standard	Torque
Model	PAF-SU-M4	PAF-TU-M4	PAF-S-M4	PAF-T-M4
Packing	Each		Each	
Item no.	NSK-P1225	NSK-P1223	NSK-P1069	NSK-P1071

TTBIO Tiger 101 Series High-Speed Handpieces (Fixed Connection)

- Chrome-coated surface - impact resistant
- Triple Spray with finest mist
- 3D ergonomic handle
- Quick release chucking system
- **Strong power**



	Torque Head	Mini Head
Model no.	101-3T4	101-3M4
Head	Torque Head	Mini Head
Head Size	Ø12 x (H)12.4mm	Ø10.5 x (H)12.1mm
Rotation Speed	≥ 300,000 rpm	≥ 350,000 rpm
Burr Spec.	Ø1.59 ~ Ø1.60 (mm) Length 19 ~ 25	Ø1.59 ~ Ø1.60 (mm) Length 16 ~ 21
Connection	Midwest 4 Hole	Midwest 4 Hole

Head	Model no.	Packing	Item no.
Torque Head	101-3T4	Each	TTB-08010090
Mini Head	101-3M4		TTB-08010091

Sirona T3 High-Speed Handpieces / Sirona



- Robust and resilient, chrome-plated surfaces, functional design, good quality for a small price
- Coupling available in Sirona®, KaVo®, W&H®, BienAir® and NSK®



	T3 Racer	T3 mini
Head Speed	400,000 rpm ± 10%	420,000 rpm ± 10%
Head Size	Ø11.4 x (H)14.8mm	Ø10.2 x (H)13.9mm
Power	17W	14W
Handle	Stainless Steel	Stainless Steel

Sirona

NSK (QD-J)



Packing	Each	
T3 Racer	SIR-5828053	SIR-5828095
T3 mini	SIR-5828251	SIR-5828293



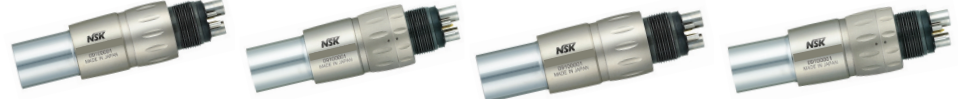
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Preventive
Prosthodontics
Restorative
Uniform

Handpieces

Couplings

NSK Couplings / NSK

Halogen Couplings **Optic** Available while stock lasts



Model no.	PTL-CL-4HV-T	PTL-CL-III-T	PTL-CL-4HV	PTL-CL-III-T
Connection Type	NSK	NSK	NSK	NSK
Body	Solid Titanium	Solid Titanium	Stainless Steel	Stainless Steel
Water Volumen Adjuster	NO	YES	NO	YES
Item no.	NSK-P401-081	NSK-P425-081	NSK-P401-051	NSK-P425-051

LED Couplings **Optic**



Model no.	PTL-CL-LED	PTL-CL-LED III	KCL-LED	SCL-LED
Connection Type	NSK	NSK	KaVo® MULTiflex LUX	Sirona® Quick Coupling
Water Volumen Adjuster	NO	YES	YES	YES
Item no.	NSK-P1001-600	NSK-P1001-601	NSK-P1005-600	NSK-P1009-600

NSK Couplings **Non-Optic**



Model no.	FM-CL-M4-T	FM-CL-M4	QD-J-M4
Body	Titanium	Stainless Steel	Stainless Steel
Holes			
Item no.	NSK-P434-081	NSK-P434-051	NSK-T334-051

Couplings / TTBio **TTBIO**

- Just one click for quick connection
- Omni Directional LED with 25,000 LUX
- With anti-suction valve to prevent cross-infections
- Bulb can be easily replaced if necessary
- Compatible with both TTBio LED and Xenon bulb

LED Couplings **Optic**



Model no.	EZclick-KLED LED Coupling (KaVo MULTiflex LUX®)	EZclick-NLED LED Coupling (NSK® Mach®)
Item no.	TTB-0PL0122	TTB-0PL0137



Handpieces

Contra-Angle Handpieces

Internal Water Spray



Ti-Max Z Series Contra-Angles / NSK

✓ Next Generation Micro Production Technology

Amazingly silent with virtually NO VIBRATION



Optic

- Solid Titanium Body with Scratch Resistant DURACOAT
- The highest durability in its class (optimal gear shape and special DLC coating)
- The smallest head and slimmest body in the world
- Superior visibility and better access
- Remarkably low noise level
- Virtually no vibration



Quattro Spray (Z95L/Z95) Single Water Spray



Packing	Each			
Item no.	NSK-C1034	NSK-C1062	NSK-C1064	NSK-C1038
Gear Ratio	1:5 Increasing	1:5 Increasing	1:4.2 Increasing	1:1 Direct Drive
Bur Type	For FG burs (Ø1.6)	For FG burs (Ø1.6)	For FG burs (Ø1.6)	For CA burs (Ø2.35)
Speed	Max. 200,000 min ⁻¹	Max. 200,000 min ⁻¹	Max. 168,000 min ⁻¹	Max. 40,000 min ⁻¹
Spray	Quattro Spray	Miniature Head, Single Spray	Quattro Spray (Water Jet / Mist)	Single Spray

* Short shank burs only



Ti-Max X Series Contra-Angles / NSK

✓ Ultra-Precision Micro Machining Technology reduces noise & vibration to the lowest level

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck



Quattro Spray



Single Water Spray

	X95L	X95	*X85L	*X85	X25L	X25	**X65L	**X65
	Optic	Non-Optic	Optic	Non-Optic	Optic	Non-Optic	Optic	Non-Optic



Packing	Each		Each		Each		Each	
Item no.	NSK-C600	NSK-C610	NSK-C604	NSK-C614	NSK-C601	NSK-C611	NSK-H273	NSK-H274
Gear Ratio	1:5 Increasing		1:5 Increasing		1:1 Direct Drive		1:1 Direct Drive	
Bur Type	For FG burs (Ø1.6)		For FG burs (Ø1.6)		For CA burs (Ø2.35)		For HP/CA burs (Ø2.35)	
Light Power	25,000LUX		25,000LUX		25,000LUX		25,000LUX	
Speed	Max. 200,000 min ⁻¹		Max. 200,000 min ⁻¹		Max. 40,000 min ⁻¹		Max. 40,000 min ⁻¹	
Spray	Quattro Spray		Miniature Head, Single Spray		Single Spray		Single Spray	

* Short shank burs only

** Need to insert the supplied bur stopper

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Preventive
Prosthodontics
Restorative
Uniform



Handpieces

Contra-Angle Handpieces

Internal Water Spray



S-Max M Series Contra-Angles

/ NSK



- Stainless Steel Body
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck

M95L	M95	M25L	M25	*M65
Optic	Non-Optic	Optic	Non-Optic	Non-Optic



Quattro Spray



Single Water Spray

Packing	Each		Each		Each
Item no.	NSK-C1023	NSK-C1026	NSK-C1024	NSK-C1027	NSK-H1008
Gear Ratio	1:5 Increasing		1:1 Direct Drive		1:1 Direct Drive
Bur Type	For FG burs (Ø1.6)		For FG burs (Ø1.6)		For HP/CA burs (Ø2.35)
Light Power	25,000LUX		25,000LUX		25,000LUX
Speed	Max. 200,000 min ⁻¹		Max. 40,000 min ⁻¹		Max. 40,000 min ⁻¹
Spray	Quattro Spray		Miniature Head, Single Spray		Single Spray

* Need to insert the supplied bur stopper

Internal Water Spray - Air Motors



DynaLED M205LG Air Motor

/ NSK



Optic

Content	LED Air Motor with Micro Power Generator
Light Power	25,000 LUX
Valve	Non-Retraction Valve
Hole	Midwest 4 hole
Max. Speed	24,000 min ⁻¹

Model no.	Packing	Item no.
M205LG M4	Each	NSK-M1018

S-Max M205 Air Motor

/ NSK



Non-Optic

Materials	Stainless Steel Body
Hole	Midwest 4 hole
Max. Speed	25,000 min ⁻¹

Model no.	Packing	Item no.
M205	Each	NSK-M1007

IS-205 M4 Air Motor

/ NSK



Non-Optic

Gear Ratio	1:1 Direct Drive
Valve	Non-Retraction Valve
Hole	Midwest 4 hole
Max. Speed	22,000 min ⁻¹

Model no.	Packing	Item no.
IS-205 M4	Each	NSK-M156



Handpieces

Contra-Angle Handpieces

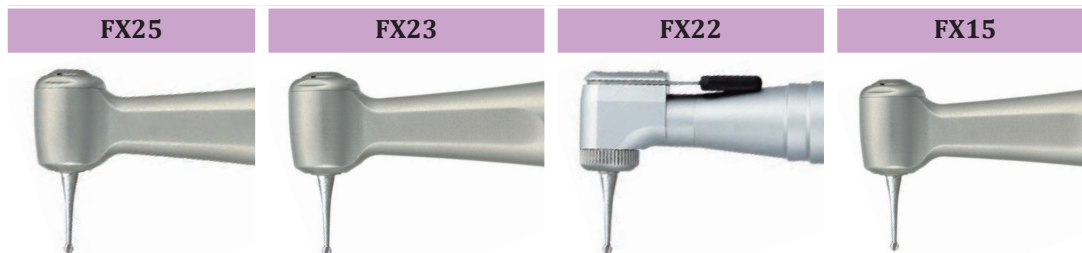
NSK FX Series

External Water Sprays

FX Series External Water Sprays

/ NSK

General Applications Handpieces



	FX25	FX23	FX22	FX15
Packing	Each	Each	Each	Each
Item no.	NSK-C1052002	NSK-C1056002	NSK-C1129002	NSK-C1053002
Gear Ratio	1:1 Increasing	1:1 Increasing	1:1 Latch Type	4:1 Reduction
Bur Type	For CA burs (Ø2.35)	For CA burs (Ø2.35)	For CA burs (Ø2.35)	For CA burs (Ø2.35)
Speed	Max. 40,000 min ⁻¹	Max. 30,000 min ⁻¹	Max. 30,000 min ⁻¹	Max. 10,000 min ⁻¹
Others	- Push Button Chuck - Ball Bearing	- Push Button Chuck	- Latch Type	- Push Button Chuck - Ball Bearing

Endodontic Handpiece



Gear Ratio	16:1 Reduction
Head	Miniature Head
Speed	Max. 1,250 min ⁻¹
Others	- Push Button Chuck - For engine files - 360° Rotation

Model no.	Packing	Item no.
FX75	Each	NSK-C1055002

Prophylaxis Handpiece



Gear Ratio	4:1 Reduction
Speed	Max. 5,000 min ⁻¹
Others	- Screw-in cups & brushes - 360° Rotation - Paste Defense System

Model no.	Packing	Item no.
FX57	Each	NSK-C1054002

Straight Handpiece



Gear Ratio	1:1 Direct Drive
Bur Type	For HP burs (Ø2.35)
Speed	Max. 40,000 min ⁻¹

Model no.	Packing	Item no.
FX65	Each	NSK-H1014002

Anesthetics
Articulating
Bur and Abrasives
Cosmetics
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Disposables
Endodontics
Equipment
Handpieces
Implant
Infection Control
Instruments
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Patient Education and Gift
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Post and Core
Preventive
Prosthodontics
Restorative
Uniform



Handpieces

Contra-Angle Handpieces

FX Series **NSK**

External Water Spray - Air Motors

FX205 Air Motors

/ NSK



Non-Optic

Hole Midwest 4 hole **Speed** Max. 25,000 min⁻¹

Model no.	Packing	Item no.
FX205 M4	Each	NSK-M1005002

EX203C M4 Air Motor

/ NSK



Non-Optic

Gear Ratio	1:1 Direct Drive
Valve	Non-Retraction Valve
Hole	Midwest 4 hole
Max. Speed	20,000 min ⁻¹
Spray	External Spray

Model no.	Packing	Item no.
FX-203C M4	Each	NSK-M195

FX205 Air Motor Set **Non-Optic**

/ NSK



Content	FX205 + FX65 + FX23
Hole	Midwest 4 hole

Model no.	Packing	Item no.
FX205 M4 Set	Each	NSK-Y1002665

External Water Spray - Spare Parts of Air Motors

■ Contra-Angle Spray Nozzle



Applicable for	Packing	Item no.
FX25/FX15	Each	NSK-C1052702

■ Straight Handpiece Spray Nozzle



Applicable for	Packing	Item no.
FX65	Each	NSK-H019711

■ Tube (RSM)

Length	Packing	Item no.
20cm	Each	NSK-Z166101

NSK EX Series

External Water Sprays

EX Series Integrated Handpieces for General Application / NSK



Gear Ratio	1:1 Direct Drive
Bur Type	For CA burs (Ø2.35)
System	Clean Head System
Max. Speed	40,000 min ⁻¹
Other	Push Button Chuck

Model no.	Packing	Item no.
FPB-EC	Each	NSK-Y110-158



Gear Ratio	1:1 Direct Drive
Bur Type	For CA burs (Ø2.35)
System	Latch Type
Max. Speed	30,000 min ⁻¹

Model no.	Packing	Item no.
NAC-EC	Each	NSK-Y110-148

External Water Spray - Spare Parts of Air Motors

EX Series Handpieces / NSK



Gear Ratio	1:1 Direct Drive	
Model no.	Packing	Item no.
EC	Each	NSK-C100-008

EX Series Heads for General Application / NSK



Gear Ratio	1:1 Direct Drive
Bur Type	For CA burs (Ø2.35)
System	Clean Head System
Max. Speed	40,000 min ⁻¹
Other	Push Button Chuck

Model no.	Packing	Item no.
FPB-Y	Each	NSK-C875



Gear Ratio	1:1 Direct Drive
Bur Type	For CA burs (Ø2.35)
System	Latch Type
Max. Speed	30,000 min ⁻¹

Model no.	Packing	Item no.
NAC-Y	Each	NSK-C032-002



Handpieces

Contra-Angle Handpieces

External Water Sprays



Vigor Series 1:1 Low-Speed Handpieces / TTBio

- Ergonomical chuck design (Push-Latch Type)
- Reliable and quiet operation
- 360° adjustable head
- Low vibration mechanics --> longer life span of handpiece shaft

Low-Speed Handpieces

	Vigor C35	Vigor S15	Vigor A65
Packing	Each	Each	Each
Item no.	TTB-08010070	TTB-08010071	TTB-08010072
Transmission Ratio	1:1	1:1	~
Speed	Max. 20,000 min ⁻¹	Max. 40,000 min ⁻¹	Max. 20,000 min ⁻¹
Spray	External	External	External

Kit

	Model no.	Packing	Item no.
Vigor A65 Kit		Contains: 1 x Vigor C35 1 x Vigor S15 1 x Vigor A65	TTB-08010089



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Electric Motors

NLX nano Brushless Electric Micromotor / NSK



- Smallest and lightest micromotor available
- Powerful 3.4 Ncm torque
- 32,000 LUX of LED illumination
- Solid titanium body with scratch resistant DURACOAT
- Fully autoclavable micromotor

Speed (rpm)	2,000 ~ 40,000
Max Torque (N-cm)	3.4
Light	LED/32,000 LUX
Dimensions (W x D x H) (mm)	127 x 149 x 54

Model no.	Packing	Item no.
NLX nano S230 (230V)	Each	NSK-Y1001362

Thor 700 Brushless Electric Motor / TTBio



- Autoclavable motor
- Adjustable LED light for unsurpassed visibility

Speed (rpm)	2,000 ~ 40,000	Light	LED/25,000 LUX
Max Torque (N-cm)	3.0	Dimensions (W x D x H) (mm)	123 x 166 x 52

Model no.	Packing	Item no.
Thor 700	Each	TTB-08090003

NSK Vivamate G5 / NSK



Control Unit

Dimensions (W x D x H)

72 x 180 x 36 (mm)

Micromotor

Speed (rpm)	3,000 ~ 30,000	Light	LED/25,000 LUX
Max Torque (N-cm)	3.0	Dimensions	Ø22 x L68.6 mm

Model no.	Packing	Item no.
VIVAMATE G5 230V SET	set	NSK-Y1002801

Portable Micro Motor / B.A. International



- Rechargeable and portable
- E-type motor 0 ~ 30,000 rpm
- Clips to belt / desktop
- Up to 8 hour battery life
- Variable speed control
- Right and left turning ability

Packing	Item no.
Each	BA-BASE050



Handpieces

Surgical & Implant Handpieces

NSK Ti-Max X: X-DSG20L/X-DSG20 / NSK

Gear Ratio	20:1 Reduction	Others	- Cellular Glass Optics - Push Button Chuck - External and internal cooling (Kirschner and Meyer) - Double Sealing System
Body	Titanium body with scratch resistant DURACOAT		
Max. Torque	80 Ncm		
Max. Speed	2,000 min ⁻¹		

	X-DSG20L	X-DSG20
	Optic	Non-Optic
Packing	Each	
Item no.	NSK-C1068	NSK-C1067



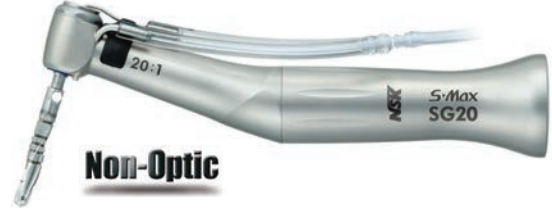
Ti-Max X: X-SG20L / NSK



Gear Ratio	20:1 Reduction	Others	- Cellular Glass Optics - Push Button Chuck - External and Internal Cooling (Kirschner and Meyer) - Double Sealing System
Body	Titanium body with scratch resistant DURACOAT		
Torque	Max. 80 Ncm		
Speed	Max. 2,000 min ⁻¹		

Model no.	Packing	Item no.
X-SG20L	Each	NSK-C1003

S-Max SG20 / NSK



Gear Ratio	20:1 Reduction	Others	- External and Internal Cooling (Kirschner and Meyer) - Double Sealing System
Body	Stainless Steel Body		
Torque	Max. 80 Ncm		
Speed	Max. 2,000 min ⁻¹		

Model no.	Packing	Item no.
SG20	Each	NSK-C1010

Ti-Max X: X-SG93L/X-SG93 / NSK

/ NSK



Gear Ratio	1:3 Increasing	Others	- Cellular Glass Optics (X-SG93L) - Clean Head System - Push Button Chuck - Triple External Cooling
Body	Titanium body with scratch resistant DURACOAT		
Bur Type	For FG burs (Ø1.6)		
Max. Speed	120,000 min ⁻¹		

	X-SG93L	X-SG93
	Optic	Non-Optic
Packing	Each	
Item no.	NSK-C1004	NSK-C1007

Ti-Max X: X-SG25L / NSK



Gear Ratio	1:1 Direct Drive	Others	- Cellular Glass Optics - Clean Head System - Push Button Chuck - External Cooling
Body	Titanium body with scratch resistant DURACOAT		
Bur Type	For CA Burs (Ø2.35)		
Speed	Max. 40,000 min ⁻¹		

Model no.	Packing	Item no.
X-SG25L	Each	NSK-C1011

Ti-Max X: X-SG65L / NSK



Gear Ratio	1:1 Direct Drive	Others	- Cellular Glass Optics - Clean Head System - External Cooling
Body	Titanium body with scratch resistant DURACOAT		
Bur Type	For HP/CA burs (Ø2.35) <i>*Need to insert the supplied bur stopper</i>		
Speed	Max. 40,000 min ⁻¹		

Model no.	Packing	Item no.
X-SG65L	Each	NSK-H1009

SGMS-ER20i / NSK



Gear Ratio	20:1 Reduction	Others	- External and Internal Cooling (Kirschner and Meyer) - With two Depth Indicators, wrench for handpiece attachment & ruler
Torque	Max. 50 Ncm		
Speed	Max. 2,000 min ⁻¹		

Model no.	Packing	Item no.
SGMS-ER20i	Each	NSK-Y110147



Handpieces

Endodontic Handpieces

NSK Endo-Mate TC2 Complete Set / NSK ✓ Cordless Endodontic Rotary System

Freedom of Movement



Miniature Head & Slim Neck offers excellent access and visibility

5 programs to preset speed, torque, gear ratio and auto reverse mode



100% preset torque	MAX	Auto Reverse On!
75% preset torque		Alarm
50% preset torque		Alarm

Model no.	Packing	Item no.
ENDO-MATE TC2 (230V)	Contains: - MP-F16R Head - ENDO-MATE TC2 Motor - Battery Charger	NSK-Y1001027

NSK Endo-Mate TC2/DT Head / NSK

Gear Ratio	20:1/16:1/10:1 Reduction
Head	Miniature Head
Bur Type	For Ni-Ti Files (Ø2.35)
Other	- Push Button Chuck - 360° Rotation

Model no.	Packing	Item no.
MP-F16R	Each	NSK-Y110096
MP-F20R		NSK-Y110044



NSK Endo-Mate DT with 20:1 Head / NSK ✓ Portable Endodontic Rotary System

UltraSlim and Compact



Auto-Reverse/ Auto-Stop/ Off Mode

Torque Range: 0.1 to 6.5Ncm

Up to 9 programs to memorize speed and torque setting for different brands of NITI files in the market

Torque Indicator

Model no.	Packing	Item no.
ENDO-MATE DT (230V)	Contains: - Control Unit - Motor and Cord - AC Adaptor - Handpiece Stand - MPAS-F20R Head (20:1)	NSK-Y141121



NSK Endo-Mate AT with 16:1 Head / NSK ✓ Economical yet Evolved Version of the Legendary DT

- Same endo function as ENDO-MATE DT
- Featuring new FX Head
- Compatible with DT Heads as optional
- Operative with AC Adaptor only
- No rechargeable battery, no recharging function

Power Supply	AC 230V 50/60Hz
Number of Programs	9
Maximum Torque	7 Ncm (when using 20:1 head)

Model no.	Content		Item no.
ENDO-MATE AT (230V)	- Control Unit - Motor and Cord - AC Adaptor	- Handpiece Stand - iFX75 Head (16:1)	NSK-Y1002190



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Handpieces

Endodontic Handpieces

NSK Ti-Max X: X35L/X35 / NSK

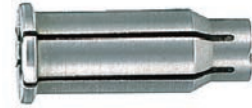


Gear Ratio	10:1 Reduction
Body	Titanium DURACOAT
Spray	Single Spray
Max. Speed	4,000 min ⁻¹
Others	- For Hand File & Engine File - 60° Twist

	X35L	X35
	Optic	Non-Optic
Packing	Each	
Item no.	NSK-C620	NSK-C624

QF Adaptor / NSK

Suitable for both hand and engine files to give you greater flexibility and cost-effectiveness



Model no.	Packing	Item no.
QF Adaptor	Each	NSK-C877701

Handpiece Cleaner & Lubricants

HENRY SCHEIN®
Maxima Oil Spray
/ Henry Schein

- Aerosol cleaner and lubricant



Packing	Item no.
Each	HSPL-900-1570

Refill Maintenance Oil / NSK



Packing	Item no.
1 L/bottle	NSK-Z016117

TTcare Spray Can / TTBio



Packing	Item no.
Each	TTB-08090010-2

Spray Nozzles



Phatelus Spray Nozzle / NSK

For high speed attachments and air motors which attach to PTL and FM Couplings



Packing	Item no.
Each	NSK-P183090

KV Nozzle / NSK

For KaVo® MULTIflex® LUX



Packing	Item no.
Each	NSK-Z090051

SR Nozzle / NSK

For Sirona® Quick Coupling



Packing	Item no.
Each	NSK-Z090052

WH Nozzle / NSK

For W&H® Roto Quick



Packing	Item no.
Each	NSK-Z090054

QD Spray Nozzle / NSK

For QD Coupling



Packing	Item no.
Each	NSK-Z096090

E-Type Spray Nozzle / NSK

For E-Type attachments



Packing	Item no.
Each	NSK-Z019090

Tip Nozzle / NSK

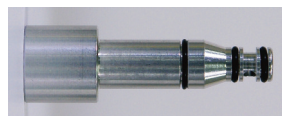
For M4, B2 and chuck cleaning



Packing	Item no.
Each	NSK-Z020010



Spray Nozzles / TTBio



TTB-0PL0113



TTB-0PL0138

Spray Nozzles	Packing	Item no.
KaVo® MULTIflex® LUX	Each	TTB-0PL0113
NSK® Mach®		TTB-0PL0138

Spindle Nozzles / TTBio



Spindle Nozzle	Packing	Item no.
Spindle Nozzle (All handpiece head chuck)	Each	TTB-0PL0044



Handpieces

Handpiece Maintenance System

NSK iCare / NSK



■ Dual Standard Ports + Dual Rotation Ports

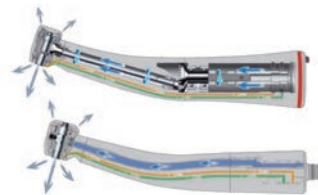


Model no.	Packing	Item no.
iCare C2 Type(230V)	Set	NSK-Y1002787

■ Single Standard Ports + Triple Rotation Ports



Model no.	Packing	Item no.
iCare C3 Type(230V)	Set	NSK-Y1002788



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

Low- & High-Speed Handpieces

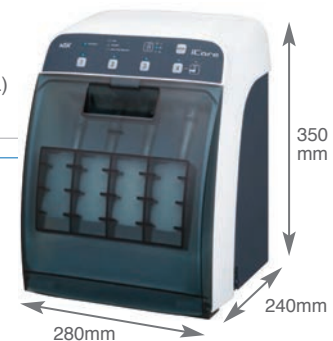
The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces

iCare meticulously cleans the components of high-speed handpieces

Power Supply	AC 100-240V, 50/60Hz
Air Pressure	0.5 - 0.6 MPa (5.0 - 6.0 kgf/cm ²)
Weight	6.5 kg (C2 type/C3 type)
Dimension (mm)	(W)280 x (D)240 x (H)350
Solution Tank Capacity	1,200 mL

Contents

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



- 1 Purging Select Mode**
- 2 Chuck Cleaning Function**
- 3 Easy To Clean**
- 4 Solution Tank**
- 5 HP Head Filter Prevents Mist Leaks (Optional)**

iCare Adaptors / NSK

Model no.	Usage	Item no.
PTL Adaptor	For NSK High Speed Handpieces for PTL-CL-LED Coupling	NSK-Z257010
KV Adaptor	For KaVo® High Speed Handpiece for MULTIflex® LUX Coupling	NSK-Z257020
SR Adaptor	For Sirona® High Speed Handpiece for Quick Coupling	NSK-Z257023
WH Adaptor	For W&H® High Speed Handpiece for Roto Quick Coupling	NSK-Z257021
F-Type Adaptor	For ENDO-MATE TC2, DT/TASKAL Wizard Heads	NSK-Z280042

Spare Parts / NSK

	Model no.	Packing	Item no. (NSK-)
	Mis Filter Set	12's/ pack	Y900159
	Oil Absorber Sheet	10's/ pack	U433135
	HP Head Filter	1's/ pack	U1120118



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Handpieces

Handpiece Maintenance System

TTBIO TTcare 100+ / TTBio

NEW TTcare 100+ Lubrication Unit

Easy to Use • Done in a Simple Way

Take 15 seconds only to lubricate and clean each handpiece, and less than one minute for three at a time



- 1 Flip down the door and snap one, two or three handpieces onto the adapters
- 2 Close the door
- 3 By pressing the corresponding buttons to start the automated, internal cleaning and care of up to three handpieces
- 4 Finish and remove the handpiece

Benefits & Features

1) Exclusive Chuck Care System

- 1 Place chuck into chuck care adapter
- 2 Press program button to start the processing
- 3 Clean and care handpiece's chuck



2) Simply Disassemble

Simply disassemble the front door for further cleaning



3) Stay Clean Easily

Compressed air purge excess lubricant into suction hole and oil collecting drawer



4) Easy Spray

Insert and replace spray can easily



Dimension (mm)	(W)295 x (D)295 x (H)385
Sound Level	< 60 (65) dB (A)
Air Consumption	40 NL/min
Compressed Air Quality (Residual oil content)	max. 0.1 mg/m ³

Model no.	Content	Item no.
TTcare 100+	- 2 x High-Speed Ports - 1 x E-Type Adaptor	TTB-08090012TB1

TTCare 100+ Adaptors

/ TTBio

Model no.	Usage	Item no.
PTL Adaptor	For NSK High Speed Handpieces for PTL-CL-LED Coupling	TTB-0PL0334
KV Adaptor	For KaVo® High Speed Handpiece for MULTiflex® LUX Coupling	TTB-0PL0335
SR Adaptor	For Sirona® High Speed Handpiece for Quick Coupling	TTB-0PL0346
WH Adaptor	For W&H® High Speed Handpiece for Roto Quick Coupling	TTB-0PL0347

Absorption Pad

/ TTBio



Packing	Item no.
Set	TTB-0PL0351



