

RESTORATIVE & PROSTHETICS



Create it 

RESTORATIVE & PROSTHETICS

**NSK**

# INDEX

## High Speed Air-Driven

Ti-Max Z .....	P 03 - 04
S-Max M .....	P 05 - 06
S-Max pico .....	P 07
Ti-Max X450 .....	P 08
Pana-Max PLUS2 .....	P 09
Pana-Max2 .....	P 10
NSK Couplers .....	P 11 - 12

## Clinical Micromotors

NLZ / NLZ E .....	P 13 - 14
-------------------	-----------

## Electric High and Slow Speeds

Ti-Max Z .....	P 15 - 16
Ti-Max Z45L .....	P 17
Ti-Max nano .....	P 18
Ti-Max X .....	P 19
S-Max M .....	P 20

## Air-Driven Slow Speeds

FX Series .....	P 21
EX Series .....	P 23 - 24

## Air Motors .....

iProphy Air .....	P 26
-------------------	------

iCare .....	P 27 - 28
-------------	-----------

Spare Parts .....	P 29 - 30
-------------------	-----------

# Ti-Max Z

## Full Powered Flexibility

Powerful 26W  
The smooth and comfortable usability



# Ti-Max Z



- Titanium Body with Scratch Resistant DURAGRIP
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Cellular Glass Optics
- Microfilter



**Miniature Head**  
 • Power : 23 W  
 • Speed : 360,000-440,000 min<sup>-1</sup>  
 • Head Size : ø10.8 x H 12.1 mm



**Standard Head**  
 • Power : 26 W  
 • Speed : 320,000-400,000 min<sup>-1</sup>  
 • Head Size : ø12.5 x H 13.1 mm

### For NSK Couplers

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800L	P1110
Standard	●	Z900L	P1111

### For KaVo® Couplers

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800KL	P1112
Standard	●	Z900KL	P1113

### For W&H® Couplers (RQ Type)

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800WL	P1120
Standard	●	Z900WL	P1121

### W&H® Couplers (RA Type)

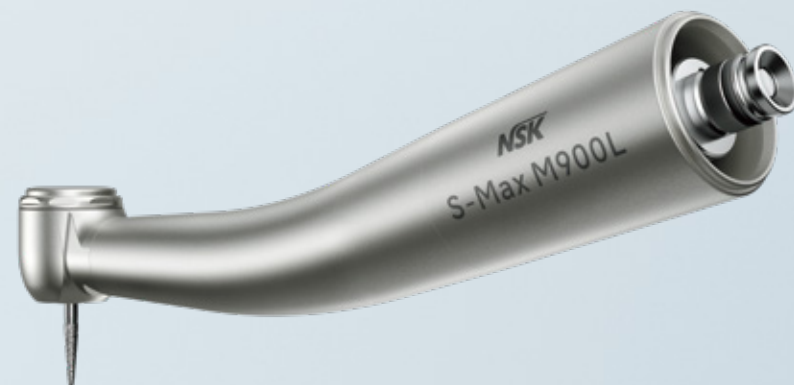
Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800WHL	P1118
Standard	●	Z900WHL	P1119

# S-Max M



## Maximum Power

26W High Power  
Facilitates more intricate operations



# S-Max M



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



**Miniature Head**  
 • Power : 23 W  
 • Speed : 380,000-450,000 min<sup>-1</sup>  
 • Head Size : ø10.6 x H 12.4 mm



**Standard Head**  
 • Power : 26 W  
 • Speed : 325,000-430,000 min<sup>-1</sup>  
 • Head Size : ø12.1 x H 13.3 mm

### For NSK Couplers

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

### For KaVo® Couplers

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

### For W&H® Couplers (RQ Type)

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800WL*	P1265
Standard	●	M900WL*	P1266
Standard	—	M900W	P1287

\*Compatible Turbines with Integral LED

# S-Max pico



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



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

**For NSK Couplers**

Optic	MODEL	ORDER CODE
●	<b>S-Max pico</b>	<b>P1140</b>

**For KaVo® Couplers**

Optic	MODEL	ORDER CODE
●	<b>S-Max pico KL</b>	<b>P1142</b>

# Ti-Max X450



- Titanium Body with Scratch Resistant DURACOAT
- Ceramic Bearings
- Push Button Chuck
- Triple Water Jet
- Clean Head System



- Power : 21 W
- Speed : 380,000-450,000 min<sup>-1</sup>
- Head Size : ø11.2 x H 13.5 mm
- 45° Angle Head
- For FG extra-long burs (25 mm) only

**For NSK Couplers**

Optic	MODEL	ORDER CODE
●	<b>X450L</b>	<b>P1078</b>
—	<b>X450</b>	<b>P1088</b>

**Direct-Connect 5 Hole**

Optic	MODEL	ORDER CODE
—	<b>X450 5H</b>	<b>P1093</b>



**For KaVo® Couplers**

Optic	MODEL	ORDER CODE
●	<b>X450KL</b>	<b>P1079</b>

**Direct-Connect 4 Hole**

Optic	MODEL	ORDER CODE
—	<b>X450 M4</b>	<b>P1092</b>





# Pana-Max PLUS2



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



**Miniature Head**  
 • Power : 27 W  
 • Speed : 380,000-450,000 min<sup>-1</sup>  
 • Head Size : ø10.6 x H 12.4 mm



**Standard Head**  
 • Power : 30 W  
 • Speed : 325,000-410,000 min<sup>-1</sup>  
 • Head Size : ø12.1 x H 13.3 mm

### Direct-Connect 4 Hole

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



# Pana-Max2



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



• Power : 20 W  
 • Speed : 350,000-450,000 min<sup>-1</sup>  
 • Head Size : ø11.2 x H 13.4 mm

### Direct-Connect 4 Hole

Optic	MODEL	ORDER CODE
—	Pana-Max2 M4	P1154



\*Will be available April 2023

# NSK Couplers



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-LED</b>	<b>PA23360001</b>

- Stainless Steel Body • Titanium coating • Anti-Retraction Valve
- For NSK • LED incorporated in coupler



Optic	MODEL	ORDER CODE
●	<b>KCL-LED</b>	<b>PA23170001</b>

- Stainless Steel Body • Titanium coating • Anti-Retraction Valve
- For KaVo® MULTiflex® LUX with water volume adjuster
- LED incorporated in coupler



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-FV-T</b>	<b>PA23420001</b>

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



Optic	MODEL	ORDER CODE
—	<b>FM-CL-M4-T</b>	<b>PA23320001</b>

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

# Fitting Chart By Series

	NSK (Optic)	NSK (Non-Optic)	KaVo® (Optic)	KaVo® (Non-Optic)	W&H® (Optic)	W&H® (Non-Optic)	W&H® (Optic)
<b>Ti-Max Z</b>	○	—	○	—	○	—	○
<b>S-Max M</b>	○	○	○	○	○	○	—
<b>S-Max pico</b>	○	—	○	—	—	—	—
<b>Ti-Max X450</b>	○	○	○	—	—	—	—
<b>Coupler Type</b>	 NSK Coupler (PTL type) LED		 KaVo® Multiflex® LED		 W&H® Roto Quick® (RQ Type)		 W&H® Roto Quick® (RA Type)

# NLZ



## The Compact Makes a Big Change

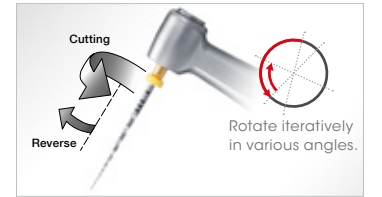
The New Style Electric



### Endodontic reciprocating function

### WaveOne® Gold

Compatible with the Dentsply Sirona Endodontics reciprocating file: WAVEONE® GOLD. WAVEONE®, from Dentsply Sirona, sets new standards in Endodontics, by bringing simplicity to the root canal shaping procedure, using only one NiTi instrument per root canal in most cases. The global shaping time is thus decreased by up to 40% versus a traditional continuous rotary technique. The new NLZ Endo motor has a reciprocating function which allows to work in the WAVEONE® reciprocating mode. A large rotating angle in the cutting direction provides high efficiency, whereas a smaller angle in the reverse direction allows the WAVEONE® file to safely progress along the canal path, reducing the risk of a screwing effect and file breakage.



### Electric Micromotor System **BRUSHLESS**

Speed : 100 – 40,000 min<sup>-1</sup>, Max. Torque : 4.2 Ncm

#### Internal Water Spray

Optic	MODEL	ORDER CODE
●	<b>NLZ S120</b>	<b>Y1003735</b>

#### Contents

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

#### Internal Water Spray

Optic	MODEL	ORDER CODE
●	<b>NLZ E S120</b>	<b>Y1003736</b>

#### Contents

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

#### Specifications

##### [Unit]

• Dimension Control Unit : W 76 × D 87.1 × H 63.4 mm  
• Dimension Main Unit : W 146 × D 75 × H 48 mm  
• Power Supply : 120 V 50/60 Hz  
• Programs : General Application Mode / 6 programs  
Rotary Endo Mode / 6 programs

##### [Motor]

• Motor Type : Brushless Micromotor  
• Endodontics Torque : 0.3 – 6.0 Ncm\*  
• Dimension : ø22 × H 68.8 mm  
• Weight : 59 g (motor only)  
• Light : White LED  
\*Depending on gear ratio



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

\*The "Reciprocating Endo Mode" can be operated only with the NLZ Endo Endodontic Handpiece and WAVEONE® file.

### Endodontic Handpiece



Gear Ratio	MODEL	ORDER CODE
<b>6:1 Reduction</b>	<b>NLZ Endo</b>	<b>C1130</b>

• Max Speed : 1,000 min<sup>-1</sup> • For engine files (ø2.35) • Push Button Chuck

### Mounting Accessories

MODEL	ORDER CODE
<b>NLZ STAY</b>	<b>Z1321</b>
MODEL	ORDER CODE
<b>NLZ MOUNTING PLATE</b>	<b>Z1323</b>
MODEL	ORDER CODE
<b>NLZ CDL</b>	<b>E1152062</b>



# Ti-Max Z



## Comfort

Smaller head  
Silent operation and minimal vibration



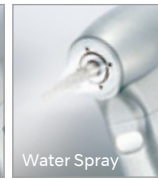
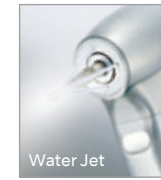
# Ti-Max Z



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034

- Max Speed : 200,000 min<sup>-1</sup> • For FG burs (ø1.6) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP • Ceramic Bearings
- Quattro Spray (with two way water function) • Microfilter
- Anti Heat System • Clean Head System • Cellular Glass Optics

## Two-Way Water Function



The world's first two-way spray function allows you to instantly choose between the Water Jet or Water Spray. The Water Jet is an alternative cooling function for the Water Spray during procedures. Water spray can be activated without restriction when needed by simply twisting the switch.

## Easy On/Off Switch



Switch between Water Jet (water only) and Water Spray (water + air) in an instant.



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	C1062

- Miniature Head • Max Speed : 200,000 min<sup>-1</sup> • For FG burs (ø1.6)\*
- Titanium Body with Scratch Resistant DURAGRIP • Push Button Chuck
- Single Spray • Ceramic Bearings • Microfilter • Anti Heat System
- Clean Head System • Cellular Glass Optics \*For short shank burs only



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

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
- Single Spray • Microfilter • Clean Head System • Cellular Glass Optics

Electric High and Slow Speeds

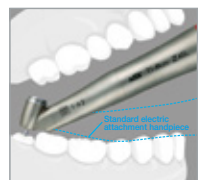
# Ti-Max Z45L



Gear Ratio	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064

- Max Speed : 168,000 min<sup>-1</sup> • For FG burs (ø1.6) • 45° Angle Head
- Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck • Ceramic Bearings
- Quattro Spray (with two way water function) • Microfilter
- Anti Heat System • Clean Head System • Cellular Glass Optics

## High Accessibility



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

## Two-Way Water Function



The world's first two-way spray function allows you to instantly choose between the Water Jet or Water Spray. The Water Jet is an alternative cooling function for the Water Spray during procedures. Water spray can be activated without restriction when needed by simply twisting the switch.

## High Accessibility Enables a Vast Variety of Clinical Applications

### Sectioning a Mandibular Left Impacted Third Molar



You can gain a comfortable finger rest without stress thanks to the extra space the slim Ti-Max Z45L creates between the front teeth. It is also easy to maintain the bur at an optimal angle and achieve precise sectioning, even when the operating depth is close to apex.

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



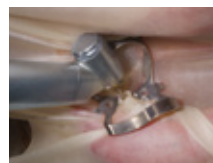
Securing a solid finger rest on a front tooth enables stable cutting without interference from other teeth. Since you can also freely control the angle of the bur, minimal intervention treatments are also possible.

### Caries Removal from a Maxillary Left Second Premolar on Palatal Side



When working on the palatal side of a second premolar, Ti-Max Z45L ensures that you can operate smoothly and have plenty of working space between the maxillary adjacent teeth.

### Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Ti-Max Z45L enables you to prep smoothly without interference from the rubber dam clamp. Its flexibility also makes treatments safer and more precise.

# Ti-Max nano



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	nano95LS	C1099

- Max Speed : 200,000 min<sup>-1</sup> • For FG burs (ø1.6) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP • Ceramic Bearings
- Quattro Spray • Microfilter • Anti Heat System • Clean Head System
- Cellular Glass Optics



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

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
- Single Spray • Microfilter • Clean Head System • Cellular Glass Optics

## Small in Size, Well-Balanced

The 'nano series' delivers on the high-performance standards of NSK contra-angles, but are 10% smaller and lighter than conventional models. Used in conjunction with the NLZ micromotor system, the nano series gives you high maneuverability like an air turbine, ensuring more accurate treatments.

## Balanced Design

Reduces fatigue during procedures and improves fingertip dexterity.

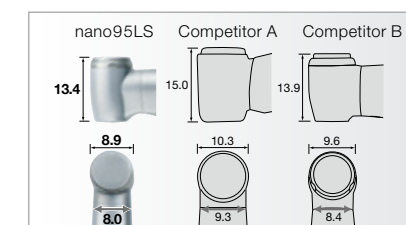


## Higher Durability

The nano95LS gears have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability.

## Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



# Ti-Max X



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X20L	C605

- Max Speed : 40,000 min<sup>-1</sup> • For FG burs (ø1.6)
- Titanium Body with Scratch Resistant DURACOAT • Push Button Chuck
- Single Spray • Microfilter • Clean Head System • Cellular Glass Optics



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	—	X55	C618

- Max Speed : 10,000 min<sup>-1</sup> • For Profin Tip / EVA Tip
- Vertical Reciprocating (Stroke Length 1.4 mm)
- Titanium Body with Scratch Resistant DURACOAT • Single Spray
- Microfilter • Lamineer Tips not included • With Tip Lock Mechanism

### Straight Handpiece



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X65L	H273

- Max Speed : 40,000 min<sup>-1</sup> • For HP burs (ø2.35) • For CA burs (ø2.35)\*
  - Titanium Body with Scratch Resistant DURACOAT
  - Single Spray • Clean Head System • Cellular Glass Optics
- \*Need to insert the supplied bur stopper

# S-Max M



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023

- Max Speed : 200,000 min<sup>-1</sup> • For FG burs (ø1.6) • Stainless Steel Body
- Push Button Chuck • Ceramic Bearings • Quattro Spray
- Clean Head System • Cellular Glass Optics

1:5 Increasing	—	M95	C1026
----------------	---	-----	-------



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024

1:1 Direct Drive	—	M25	C1027
------------------	---	-----	-------

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35) • Stainless Steel Body
- Push Button Chuck • Single Spray • Clean Head System
- Cellular Glass Optics



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025

4:1 Reduction	—	M15	C1028
---------------	---	-----	-------

- Max Speed : 10,000 min<sup>-1</sup> • For CA burs (ø2.35) • Stainless Steel Body
- Push Button Chuck • Single Spray • Clean Head System
- Cellular Glass Optics

### Straight Handpiece



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

- Max Speed : 40,000 min<sup>-1</sup> • For HP burs (ø2.35) • For CA burs (ø2.35)\*
  - Stainless Steel Body • Single Spray • Clean Head System
  - Handpiece Connection Type: ISO 3964 Type 2
- \*Need to insert the supplied bur stopper

# FX series



Easy Cartridge Replacement



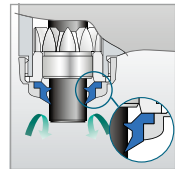
Gear Ratio	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX25</b>	<b>C1052002</b>

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35) • Aluminium Body
- Ball Bearing • Push Button Chuck • Clean Head System
- Easy Cartridge Replacement
- Handpiece Connection Type : ISO 3964 Type 1



Gear Ratio	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX15</b>	<b>C1053002</b>

- Max Speed : 10,000 min<sup>-1</sup> • For CA burs (ø2.35) • Aluminium Body
- Ball Bearing • Push Button Chuck • Clean Head System
- Handpiece Connection Type : ISO 3964 Type 1



Paste Defense System



Gear Ratio	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX57</b>	<b>C1054002</b>

- Max Speed : 5,000 min<sup>-1</sup> • For screw-in cups and brushes
- Aluminium Body • 360° Rotation • Paste Defense System
- w/o Spray • Handpiece Connection Type : ISO 3964 Type 1

### Straight Handpiece



Gear Ratio	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX65</b>	<b>H1014002</b>

- Max Speed : 40,000 min<sup>-1</sup> • For HP burs (ø2.35) • Aluminium Body
- Clean Head System • Prophy angle connectable
- Handpiece Connection Type : ISO 3964 Type 1



Autoclavable



# EX series

## Heads for General Application External Water Spray

MODEL	ORDER CODE
<b>FPB-Y</b>	<b>C875</b>

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35)
- Clean Head System • Push Button Chuck
- Ball Bearing



MODEL	ORDER CODE
<b>NAC-Y</b>	<b>C032002</b>

- Max Speed : 30,000 min<sup>-1</sup> • For CA burs (ø2.35)
- Latch type



MODEL	ORDER CODE
<b>BB-Y</b>	<b>C037</b>

- Max Speed : 40,000 min<sup>-1</sup> • For CA burs (ø2.35)
- Latch type • Ball Bearing



MODEL	ORDER CODE
<b>NM-Y</b>	<b>C247</b>

- Max Speed : 30,000 min<sup>-1</sup> • For CA burs (ø2.35)
- Miniature Head • Latch type



MODEL	ORDER CODE
<b>FFB-Y</b>	<b>C884</b>

- Max Speed : 40,000 min<sup>-1</sup> • For FG burs (ø1.6)
- Clean Head System • Push Button Chuck



MODEL	ORDER CODE
<b>NRS2-Y</b>	<b>C549</b>

- Max Speed : 3,000 min<sup>-1</sup> • For CA burs (ø2.35)
- Clean Head System • Push Button Chuck
- 10:1 Reduction



## Heads for Prophylaxis Application

MODEL	ORDER CODE
<b>AR-Y (S)</b>	<b>C187</b>

- Max Speed : 5,000 min<sup>-1</sup>
- For screw-in cups and brushes



MODEL	ORDER CODE
<b>AR-Y (K)</b>	<b>C188</b>

- Max Speed : 5,000 min<sup>-1</sup> • For snap-on cups



MODEL	ORDER CODE
<b>EVA-Y</b>	<b>C235</b>

- Max Speed : 10,000 min<sup>-1</sup> • For Eva tips
- Vertical Reciprocating (Stroke Length 1.4 mm)



## Heads for Endodontic Application

MODEL	ORDER CODE
<b>MP-Y</b>	<b>C547</b>

- Max Speed : 20,000 min<sup>-1</sup> • Miniature Head
- Push Button Chuck



MODEL	ORDER CODE
<b>TEQ-Y</b>	<b>C849</b>

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



## Handpieces

MODEL	ORDER CODE
<b>EC</b>	<b>C100008</b>

- 1:1 Direct Drive



MODEL	ORDER CODE
<b>ER4</b>	<b>C634</b>

- 4:1 Reduction



MODEL	ORDER CODE
<b>ER10</b>	<b>C635</b>

- 10:1 Reduction



MODEL	ORDER CODE
<b>ER16</b>	<b>C636</b>

- 16:1 Reduction



MODEL	ORDER CODE
<b>ER64</b>	<b>C637</b>

- 64:1 Reduction



## Straight Handpiece



Gear Ratio	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>EX-5B</b>	<b>H262</b>

- Max Speed : 10,000 min<sup>-1</sup> • For HP burs (ø2.35) • Clean Head System
- Aluminium Body • Prophy angle connectable
- Handpiece Connection Type : ISO 3964 Type 1

■ Handpieces and heads are sold separately. You can combine handpieces and heads according to your preference and speed required for the indication.



## Air Motors

### FX204

#### No Water Spray

Optic	MODEL	ORDER CODE
—	<b>FX204 M4</b>	<b>M11003002</b>

- Rotation Speed : 19,800 – 24,200 min<sup>-1</sup>
- Handpiece Connection Type : ISO 3964 Type 1 (Non-optic handpiece only)
- Aluminium Body • 4 hole



### Ti-Max Ti205L

#### Internal Water Spray

Optic	MODEL	ORDER CODE
●	<b>Ti205L</b>	<b>M1190</b>

- Max. 20,000 min<sup>-1</sup> • Anti-Retraction Valve
- Handpiece Connection Type: ISO 3964 Type1



### IS-205

#### Internal Water Spray

Optic	MODEL	ORDER CODE
—	<b>IS-205 M4</b>	<b>M1156</b>

- Max. 20,000 min<sup>-1</sup> • 4 hole • Anti-Retraction Valve
- Handpiece Connection Type : ISO 3964 Type1, Type2 (Non-optic handpiece only)



## iProphy Air Prophylaxis Air Motor

### The Future of The Dental Hygiene Handpiece



360° swivel

#### Nosecone separates from motor

The handpiece's unique two-part construction allows for the nosecone portion and motor to be sterilized. Additional nosecones may be purchased separately (see Parts and Accessories section for item detail).



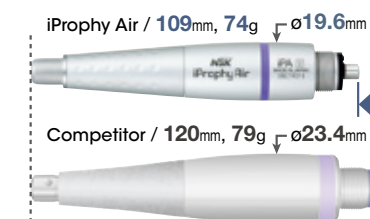
MODEL	ORDER CODE
<b>iProphy Air</b>	<b>M11020</b>

- Max Speed : 3,000 min<sup>-1</sup> • 4 hole
- Contents**
- iPA-HP • iPA • iProphy Air Color Ring Set (Pack of 4)



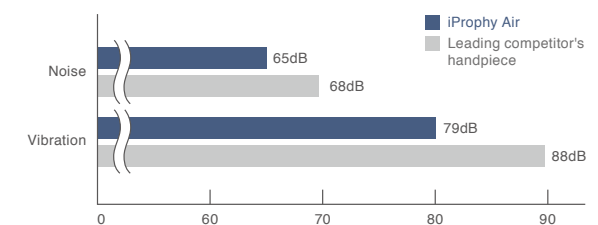
#### Slimmer, Shorter and Lighter

The iProphy Air handpiece is slim, short and light handpiece provides good balance and less fatigue for the Dental Hygienist.



#### Smooth and Quiet

NSK's ultra-precision micro machining technology has been applied to all parts of iProphy Air, reducing vibration & noise to lower levels, level resulting in improved comfort for patients and the Dental Hygienist.



# iCare

## Automatically Lubricates

Maintaining handpieces can be as simple as touching a button. The appropriate lubrication is applied according to the type of handpiece selected. The chuck-lubricating function allows the dentist to effectively lubricate the chuck. Regular maintenance extends the operating life and the optimal condition of the handpiece. The solution for handpiece care is iCare.

### Advantages

- Preset lubricant volume based on handpiece type
- Handpiece lubrication and excessive lubricant purge with simple operation
- The chuck-lubricating function maintains the internal condition of the chuck appropriately to prevent loss of the chuck retention force.
- Low lubricant cost per handpiece provides a lower lifetime operating cost
- Stylish & compact body that can be installed with limited space

### Lubrication Simplified

Handpiece lubrication and excessive lubricant purge are performed by simply pressing the buttons. Simple operation is achieved by preset lubricant volumes for high speed and low speed handpiece.



### Multiple Air Mode Settings

Air mode can be adjusted to 3 different pre-set selections according to usage\*.

\*Typical setting is M



### Chuck-Lubricating Function

The chuck-lubricating function maintains the internal condition of the chuck appropriately to prevent loss of the chuck retention force.



### Large Oil Tank

Since iCare is equipped with a large tank (1.2L capacity), making refilling the tank one easy step and eliminates the possibility of spills and need to store excess lubricant.



### iCare Complete Set

#### Air Turbine Connector × 2 / E-type Handpiece Connector × 2

MODEL	ORDER CODE
<b>iCare C2 Type</b>	<b>Y1002796</b>

#### Air Turbine Connector × 1 / E-type Handpiece Connector × 3

MODEL	ORDER CODE
<b>iCare C3 Type</b>	<b>Y1002797</b>

#### Contents

- iCare Unit • AC Power Cord • Maintenance Oil for iCare • Mist Filter • Oil Sheet • Air Tube • Chuck Lubrication Nozzle • Oil Filling Nozzle • Test Bur • O-ring Set

#### Specifications

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

\*Air Turbine Connector connects only to ISO 9168 Type2 / Type3

\*E-type Handpiece Connector connects to all coupling dimension of ISO 3964 (Long, Middle, Short, Extra Short)

\*Air piping is necessary 0.5-0.6 MPa (5.0 - 6.0 kgf/cm<sup>2</sup>)



### iCare Adaptors

MODEL	ORDER CODE	
<b>PTL Adaptor</b>	<b>Z257010</b>	• For NSK Air-driven Handpieces for NSK Phatelus / Mach Coupler
<b>KV-Adaptor</b>	<b>Z257020</b>	• For KaVo® Air-driven Handpieces for Multiflex® LUX Coupler
<b>SR-Adaptor</b>	<b>Z257023</b>	• For Sirona® Air-driven Handpieces for Quick Coupler
<b>WH-Adaptor</b>	<b>Z257021</b>	• For W&H® Air-driven Handpieces for Roto Quick Coupler (RQ Type)
<b>WHL Adaptor</b>	<b>Z280053</b>	• For W&H® Air-driven Handpieces for Roto Quick Coupler (RA Type)
<b>BA-Adaptor</b>	<b>Z280022</b>	• For Bien-Air® Air-driven Handpieces for Unifix® Coupler
<b>MWL Adaptor</b>	<b>Z280052</b>	• For MIDWEST® Air-driven Handpieces for 5-Hole Coupler
<b>STL Adaptor</b>	<b>Z280051</b>	• For StarDental® Air-driven Handpieces for HiFlo® Fiber-Optic Swivel (4-Hole F.O.) Coupler
<b>F-Type Adaptor</b>	<b>Z280042</b>	• For ENDO-MATE TC2, DT Heads

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

\*E-Type: Conformable to ISO3964.

## PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective air driven, electric & slow speed handpieces and air motors cleaning lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.

MODEL	ORDER CODE
<b>PANA SPRAY Plus</b>	<b>Z182600</b>
• For air-driven, electric high and slow speed handpieces and air motors	
• 10.5 oz • Alcohol-contained lubricant	
MODEL	ORDER CODE
<b>Tip Nozzle</b>	<b>Z020010</b>


• For chuck lubrication and direct-connect handpieces




# Spare Parts


## Ti-Max Z series


MODEL	PRODUCTS	ORDER CODE
<b>TiZ-MU03*</b> Cartridge for Miniature head		<b>Y1002075</b>


MODEL	PRODUCTS	ORDER CODE
<b>TiZ-SU03*</b> Cartridge for Standard head		<b>Y1002076</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>

## S-Max M series

MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>


MODEL	PRODUCTS	ORDER CODE
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-SU04(YOS)</b> Head cap for Standard head		<b>P1027500</b>


MODEL	PRODUCTS	ORDER CODE
<b>Cleaning Wire</b>		<b>Z144095</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>

## S-Max pico series


MODEL	PRODUCTS	ORDER CODE
<b>SX-PU03</b> Cartridge for S-Max pico		<b>P1140200</b>


MODEL	PRODUCTS	ORDER CODE
<b>SX-PU04</b> Head cap for S-Max pico		<b>P1140500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-PU05</b> Head cap wrench for S-Max pico		<b>20002803</b>


MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>


## Ti-Max X450 series


MODEL	PRODUCTS	ORDER CODE
<b>TiX45-SU03</b> Cartridge for Standard head		<b>Y1001906</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>

## Pana-Max PLUS2

MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>


MODEL	PRODUCTS	ORDER CODE
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>


MODEL	PRODUCTS	ORDER CODE
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>


MODEL	PRODUCTS	ORDER CODE
<b>SX-SU04(YOS)</b> Head cap for Standard head		<b>P1027500</b>

MODEL	PRODUCTS	ORDER CODE
<b>Cleaning Wire</b>		<b>Z144095</b>

## Pana-Max2

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU03</b> Cartridge		<b>P1190</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU04</b> Head cap		<b>P1190050</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU05</b>		<b>P1190765</b>

## Couplers


MODEL	PRODUCTS	ORDER CODE
<b>Anti-Retraction Valve</b>		<b>P401054</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL-LED</b> For PTL-CL-LED, KCL-LED (Optional)		<b>10000198</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL Bulb</b> (Pack of 3)		<b>Y900529</b>

## NLZ / NLZ E


MODEL	PRODUCTS	ORDER CODE
<b>NLZ E U</b>		<b>U1142002</b>

MODEL	PRODUCTS	ORDER CODE
<b>NLZ CDL</b>		<b>E1152062</b>

MODEL	PRODUCTS	ORDER CODE
<b>NLZ MOUNTING PLATE</b>		<b>Z1323</b>

MODEL	PRODUCTS	ORDER CODE
<b>NLZ U</b>		<b>U1141002</b>

MODEL	PRODUCTS	ORDER CODE
<b>NLZ CDE</b>		<b>E1152069</b>

MODEL	PRODUCTS	ORDER CODE
<b>O-Ring Set</b>		<b>E1135083</b>


MODEL	PRODUCTS	ORDER CODE
<b>NLZ</b>		<b>E1152051</b>

MODEL	PRODUCTS	ORDER CODE
<b>NLZ STAY</b>		<b>Z1321</b>


MODEL	PRODUCTS	ORDER CODE
<b>NLZ CD</b>		<b>E1152061</b>


MODEL	PRODUCTS	ORDER CODE
<b>NLZ U BRACKET</b>		<b>Z1322</b>

## Air Motor

MODEL	PRODUCTS	ORDER CODE
<b>O-Ring Set</b>		<b>E1135083</b>

## iProphy Air

MODEL	PRODUCTS	ORDER CODE
<b>iPA-HP</b>		<b>M1020005</b>


MODEL	PRODUCTS	ORDER CODE
<b>iPA</b>		<b>M1020006</b>

MODEL	PRODUCTS	ORDER CODE
<b>iProphy Air Color Ring Set</b> (Pack of 4)		<b>Y1002594</b>

## iCare

MODEL	PRODUCTS	ORDER CODE
<b>Maintenance Oil for iCare</b> (1 Bottle, 1 Liter)		<b>Z016130</b>

MODEL	PRODUCTS	ORDER CODE
<b>Mist Filter</b> (Pack of 12)		<b>Y900159</b>

MODEL	PRODUCTS	ORDER CODE
<b>Air Filter</b>		<b>U508352</b>

MODEL	PRODUCTS	ORDER CODE
<b>Oil Sheet</b> (Pack of 10)		<b>U433135</b>

MODEL	PRODUCTS	ORDER CODE
<b>Chuck Lubrication Nozzle</b>		<b>Z257301</b>

MODEL	PRODUCTS	ORDER CODE
<b>Handpiece Head Filter</b> (Pack of 200)		<b>U1120118</b>