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CLINICAL MICROMOTORS

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Multi Pad

Multi-Control Panel for built-in system

Integrated into existing equipment with the latest leading edge technology

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

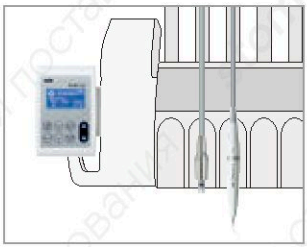


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Features

- 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, Espanol, 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 Complete Set

MODEL **Multi Pad Auto-Select** ORDER CODE **Y1001846**

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

Specifications

• Input voltage	: DC + 12 V
• Input connect	: 100 mA
• Max. output power	: 1.2 w
• Dimensions	: W95 x D138 x H31 (mm)

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LED

NLX nano

A New Generation of Micromotor as well balanced as an air turbine

NLX nano has been designed to minimize weight and size to improve the balance of instrument and motor in the hand of the clinician, reducing fatigue during prolonged procedures.
Despite its small size and light weight, the NLX nano is as powerful as traditional micromotors and offers wider range of speeds. Its 180° Vector Control assures smooth and stepless control over the entire speed range. Thanks to LED illumination, it now delivers 32,000 LUX*, natural daylight quality light and assures clearer vision, reducing fatigue during operation. Feel our quality of NLX nano micromotor.



Advantages

- Smaller and lighter micromotor currently available
- Delivering powerful 3.4 Ncm torque
- Perfect balance with compact body
- 32,000 LUX*of LED illumination assures daylight quality light and clearer vision
- Durable with solid titanium body and scratch resistant DURACOAT
- Fully autoclavable micromotor

* Figures by NSK laboratory

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More than 25% shorter and 20% lighter

Thanks to NSK know how, NLX nano has been designed to reduce weight by 20% and size by more than 25% compared with the current NSK micromotor. Despite its smaller size and lighter weight, NLX nano is as powerful and offers the same speed range as the current brushless NSK clinical micromotors.



Perfect Balance

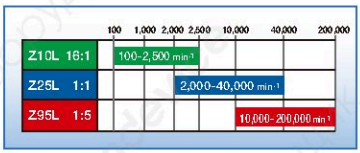
The balance of the motor and instrument combined has been dramatically improved as the weight and size of NLX nano has been reduced drastically.

The overall length of instrument and NLX nano micromotor are almost the same as the length of air turbines and couplings, thus enabling practitioners use contra-angles and NLX nano micromotors just like the use of air turbines.



Wider clinical applications

NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min^{-1}, to make it suitable for any applications.





contra-angles



NLX nano

- System : 180° Vector Control System
- Motor Type : Sensorless DC Brushless Micromotor
- Motor Speed : 2,000 – 40,000 min^{-1} (NLX nano U)
  : 1,000 – 40,000 min^{-1} (NLX BF)
- Torque : Max. 3.4 Ncm
- Weight : 61 g (micromotor only)
- Light : White LED

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NLX nano Optic
Internal Water Spray

Electric Micromotor Portable System BRUSHLESS

Speed : 2,000 – 40,000 min^{-1}, Torque : 3.4 Ncm



MODEL **NLX nano S230** ORDER CODE **Y1001362**

Contents
- NLX nano U (Control Unit) • NLX nano (Motor)
- NLX CD (Cord) • NLAC (AC Adaptor)

Specifications (Control Unit)
- Rated Input : AC 28V 50/60 Hz
- Dimensions : W127 x D149 x H54 (mm)
- Weight : 517 g

Portable System Individual Components



MODEL **NLX nano U** ORDER CODE **U1062002**
- Portable system control unit
- Digital Speed Display
- Forward / Reverse switchable

* Connects only to Midwest 4-hole type



MODEL **NLX nano** ORDER CODE **E1044051**
- NLX nano micromotor only (Cord not included) • Solid Titanium Body
- Autoclavable up to 135°C



MODEL **NLX CD** ORDER CODE **E1044061**
- NLX nano micromotor cord for portable system (2.2 m)



MODEL **NLAC** ORDER CODE **Y141135**
- AC Adaptor for NLX nano micromotor
- For NLX nano portable system only

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LED

NLX nano Optic
Internal Water Spray

Electric Micromotor Integrated System BRUSHLESS

Speed : 1,000 – 40,000 min^{-1}, Torque : 3.4 Ncm



Integrated System Individual Components



MODEL **NLX BF** ORDER CODE **Y1002122**

- Power module with lamp and air function for integrated system
- Dimensions with case : W115 x D68.5 x H40 (mm)



MODEL **NLS ADP** ORDER CODE **U1020050**

- 24Vac - 32Vdc converter for integrated system



MODEL **NLS SEL** ORDER CODE **Y1001808**

- Selector module for integrated system
- Dimensions : W62 x D50 x H28.6 (mm)



MODEL **NLX nano** ORDER CODE **E1044051**

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



MODEL **nano CDB** ORDER CODE **E1044066**

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



MODEL **Multi Pad Auto-Select** ORDER CODE **Y1001846**

- Multi-Control Panel for built-in system
- Dimensions : W95 x D138 x H31 (mm)

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NLX plus Optic
Internal Water Spray

LED

Electric Micromotor Integrated System BRUSHLESS

Speed : 100 – 40,000 min^{-1}, Torque : 4.0 Ncm, with Endo Function



Features

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

Integrated System Individual Components



MODEL **NLX BF** ORDER CODE **Y1002122**

- Power module with lamp and air function for integrated system
- Dimensions with case : W115 x D68.5 x H40 (mm)



MODEL **NLS ADP** ORDER CODE **U1020050**

- 24Vac - 32Vdc converter for integrated system



MODEL **NLS SEL** ORDER CODE **Y1001808**

- Selector module for integrated system
- Dimensions : W62 x D50 x H28.6 (mm)



MODEL **NLX plus** ORDER CODE **E1040051**

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



MODEL **plus CD** ORDER CODE **E1040062**

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



MODEL **Multi Pad Auto-Select** ORDER CODE **Y1001846**

- Multi-Control Panel for built-in system
- Dimensions : W95 x D138 x H31 (mm)

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Ti-Max X205L Internal Water Spray

Shorter and Lighter - Ergonomic Comfort & Improved Balance



Advantages

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



Optic MODEL **X205L** ORDER CODE **M1013**

- 360° Swivel with LED illumination • 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve • Max. 25,000 min-1

Reduced size and weight for unsurpassed balance



135°C Autoclavable up to 135°C

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S-Max M205 Internal Water Spray



Non-Optic MODEL **M205** ORDER CODE **M1007**

- Stainless Steel Body
- Non-Retraction Valve
- Midwest 4 hole
- Max. 25,000 min-1

FX205m External Water Spray



Non-Optic MODEL **FX205m M4** ORDER CODE **M1005001**

- Stainless Steel Body
- Midwest 4 hole
- Max. 25,000 min-1

Non-Optic MODEL **FX205m B2** ORDER CODE **M1006001**

- Stainless Steel Body
- Borden 2 hole
- Max. 25,000 min-1

Washable in the thermodisinfector(M205)

Autoclavable up to 135°C

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Phatelus Probe

Connect to NSK Couplings





Optic MODEL P200 ORDER CODE P411

Autoclavable up to 135°C

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