

CLINICAL MICROMOTORS

Multi Pad

Multi-Control Panel for built-in system

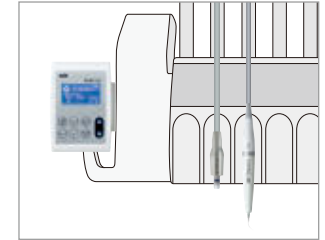
Integrated into existing equipment with the latest leading edge technology

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



Features

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



Multi Pad Complete Sets

MODEL Multi Pad ORDER CODE Y1001845

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) |



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.



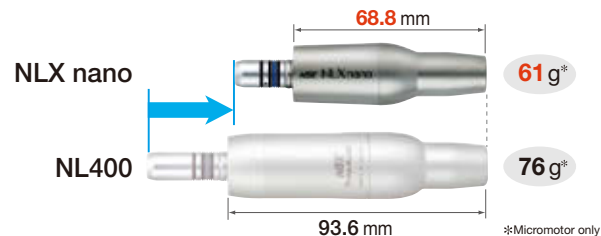
Advantages

- 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

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.



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.

	100	1,000	2,000	2,500	10,000	40,000	200,000
Z10L 16:1		100-2,500 min ⁻¹					
Z25L 1:1				2,000-40,000 min ⁻¹			
Z95L 1:5						10,000-200,000 min ⁻¹	



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

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 S120 (120V) ORDER CODE Y1001361

MODEL NLX nano S230 (230V) ORDER CODE Y1001362

Contents

- NLX nano U (Control Unit) • NLX nano (Motor)
- NLX CD (Cord)
- NLAC (AC Adaptor) 120V or 230V

Specifications (Control Unit)

- Rated Input : AC 28V 50/60 Hz
- Dimensions : W127 x D149 x H54 (mm)
- Weight : 51.7 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 (120V) ORDER CODE Y141133

MODEL NLAC (230V) ORDER CODE Y141135

- AC Adaptor for NLX nano micromotor
- For NLX nano portable system only

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 ORDER CODE Y1001845

MODEL Multi Pad Auto-Select ORDER CODE Y1001846

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

NLX plus Optic Internal Water Spray



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

135°C
155



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

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



MODEL **Multi Pad** ORDER CODE **Y1001845**

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

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

NBX Optic Internal Water Spray



Electric Micromotor Integrated System BRUSH

Speed : 60 – 40,000 min⁻¹



Integrated System Individual Components



MODEL **iMD BS** ORDER CODE **—**

- Power module for integrated system
- Dimensions : W86 x D57 x H33 (mm)



MODEL **iMD SEL** ORDER CODE **—**

- Selector module for integrated system
- Dimensions : W68.5 x D56.5 x H38.5 (mm)



MODEL **NBX** ORDER CODE **E1059051**

- Micromotor only (Cord not included)
- Solid Titanium Body



MODEL **NBX CDB** ORDER CODE **E1059061**

- NBX micromotor cord for integrated system



MODEL **Multi Pad** ORDER CODE **Y1001845**

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

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

NBX

Internal Water Spray **BRUSH**



Ultracompact LED Electrical Micromotor

Ultracompact and lightweight body as a result of applying the latest materials and know-how



Key Features

- Quiet smooth operation to maximum of 40,000 min⁻¹
- Minimum heat generation
- LED incorporated in micromotor (only NBX OPTIC)
- Solid Titanium outer Body



Optic MODEL NBX ORDER CODE E1059051
Non-Optic MODEL NBX N ORDER CODE E1074051

- Max. 40,000 min⁻¹
- Ultracompact and lightweight outer titanium body
- Minimum heat generation
- Micromotor only (Cord not included)

Motor Cord



Optic MODEL NBX CDB ORDER CODE E1059061
Non-Optic MODEL NBX N CDB ORDER CODE E1074061

- With constant current
- Motor Cord only

M40 XS

Internal Water Spray **BRUSH**



Easy to connect to Bien-Air® 4VLM and 4VR 400 hoses



Features

- Quiet smooth operation from 60 to 40,000 min⁻¹
- Minimal heat generation
- Compact and light coreless electric micromotor
- LED illumination is incorporated inside the optic micromotor (M40 XS)
- Titanium body with Scratch Resistant DURACOAT

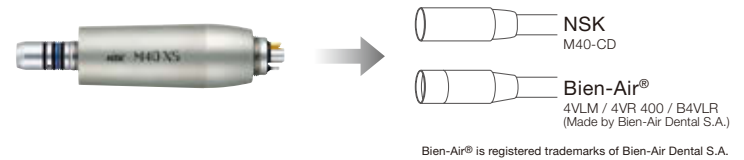


Optic MODEL M40 XS ORDER CODE E1135051
Non-Optic MODEL M40N XS ORDER CODE E1136051

- Made Shorter and Lighter for Perfect Balance
- Advantages of using - LED light
- Ergonomic Shape

Connect direct to existing

- Bien-Air® 4VLM tubing
- Bien-Air® 4VR 400 tubing
- Bien-Air® B4VLR tubing



Bien-Air® is registered trademarks of Bien-Air Dental S.A.

NSK Motor Cord



MODEL M40-CD ORDER CODE S900100



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)

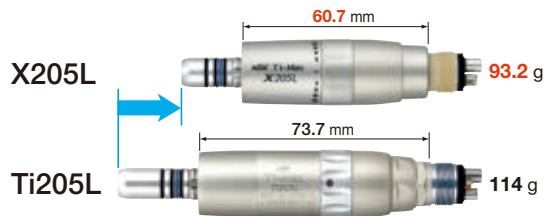


Optic MODEL X205L ORDER CODE M1013

- 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



DynaLED M205LG Internal Water Spray

Generates Its Own LED Illumination -
Another NSK Technology 1st



Advantages

- For instant LED illumination simply connect DynaLED Air motor to an existing non-optic handpiece tubing.
- Delivers a stable supply of natural daylight-quality LED illumination rated at 25,000 LUX.



Optic MODEL M205LG M4 ORDER CODE M1018

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



Optic MODEL M205LG B2 ORDER CODE M1019

- LED Air Motor with Micro Power Generator • 25,000 LUX
- Non-Retraction Valve • Borden 2 hole • Max. 24,000 min⁻¹



NSK's long life micro power generator - exceptional efficiency and durability

- The micro power generator is electronically calibrated to produce the correct power source for highly effective LED illumination.
- Does not impair air motor performance in any way.
- NSK has applied the very latest technologies and materials to achieve long-term efficiency and reliability.



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


CLINICAL
MICROMOTORS

Air Motor Set



Non-Optic MODEL FX205m M4 Set ORDER CODE Y1002752 

- Midwest 4 hole

Non-Optic MODEL FX205m B2 Set ORDER CODE Y1002753 

- Borden 2 hole

Contents

- Air Motor (FX205m)
- Straight handpiece (FX65m)
- Contra-angle handpiece (FX25m)



Washable in the thermoisinfector



Autoclavable up to 135°C



Washable in the thermoisinfector



Autoclavable up to 135°C