

32,000 LUX\* OF NATURAL DAYLIGHT QUALITY

Assuring clearer vision and reducing fatigue during prolonged procedures



**Clearer**

LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.

**Durable**

LED light sources are longer lasting and more durable than halogen bulbs.



High visibility of finishing lines and approximal surfaces with NSK LED illumination allows easier tooth preparation.

\*Figures by NSK Laboratory



**NLX nano Complete Set**

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

**Features**

- Digital Speed Display
- Forward/Reverse Switchable
- Memory Function
- Light Brightness Adjustment Function
- Foot Air Calibration

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Specifications are subject to change without notice.

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impossibly compact  
impossibly light  
yet impossibly powerful

**NLX nano**  
**LED**

A new generation of micromotor  
as well balanced as an air turbine



# NLX nano

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.

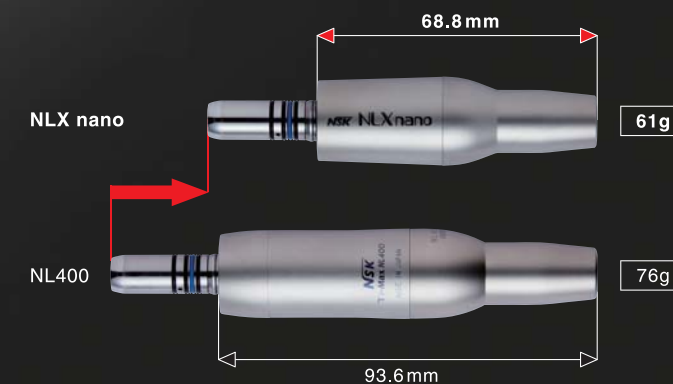
Thanks to LED illumination, it now delivers 32,000 LUX, natural daylight quality light and assures clearer vision, reducing fatigue during operation.

Feel our quality of NLX nano micromotor.



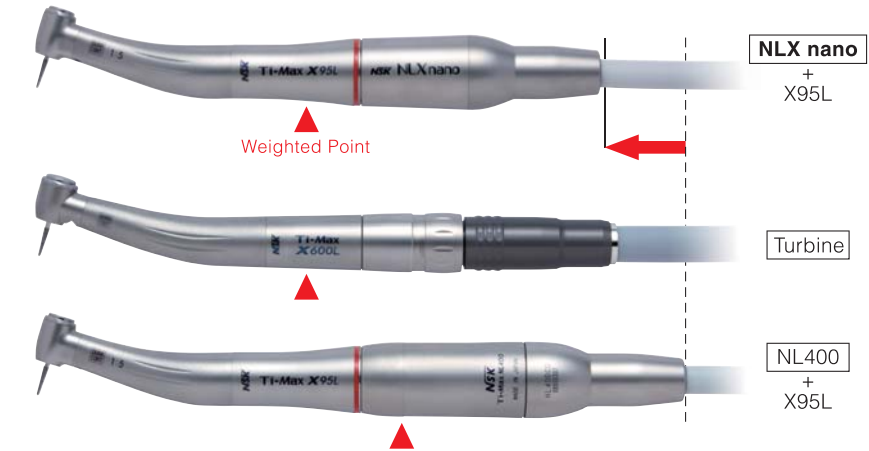
## More than 25% shorter and 20% lighter

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.



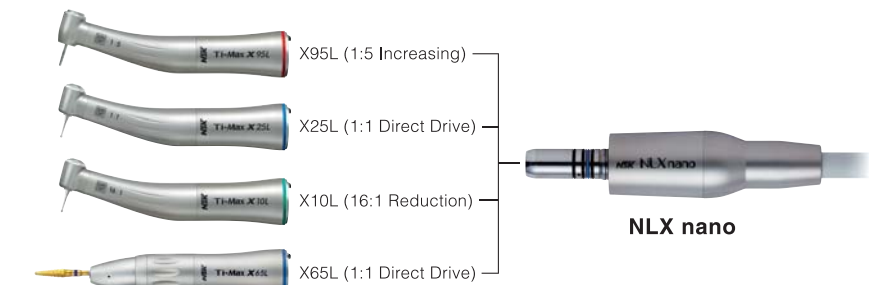
## Perfect Balance

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 micromotors just like the use of air turbines.



## Wider clinical applications

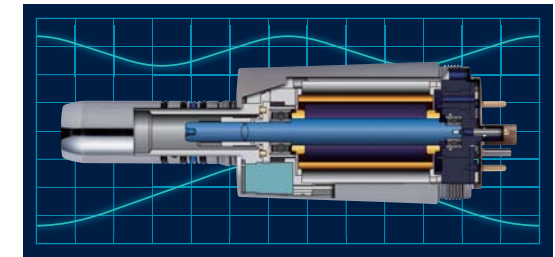
NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min<sup>-1</sup>, to make it suitable for any applications.



	100	1,000	2,000	2,500	10,000	40,000	200,000
X10L 16:1	100~2,500 min <sup>-1</sup>						
X25L 1:1			2,000~40,000 min <sup>-1</sup>				
X95L 1:5					10,000~200,000 min <sup>-1</sup>		

## High torque, smooth rotation and minimal vibration

Thanks to the NSK 180° Vector Control System, the NLX nano realizes smooth and stepless control over the entire speed range and assures high power. It reduces noise and vibration to the lowest level resulting in improved comfort for patients and clinicians.



## Autoclavable, maintenance free, brushless micromotor

The micromotor can be repeatedly autoclaved up to 135°C (with autoclave plug and motor cap). It is brushless micromotor that requires no brush replacement.



## Specification

System	: 180° Vector Control System
Motor Type	: Sensorless DC Brushless Micromotor
Motor Speed	: 2,000 – 40,000 min <sup>-1</sup>
Torque	: Max. 3.4 Ncm
Weight	: 61g (micromotor only)
Light	: White LED