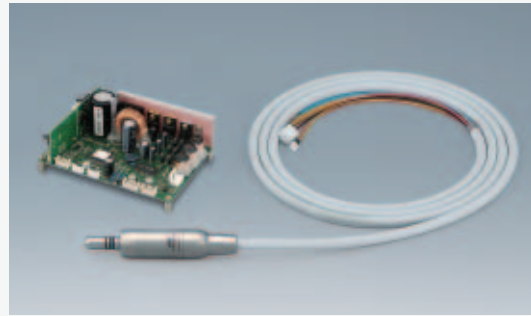


Electric Micromotor Integrated System **BRUSHLESS**



High Flexibility and Simple Handling

The NL400 brushless micromotor module is designed to be mounted into virtually any dental units without complicated adjustments. The application of NSK micromachining technology ensures a very compact, easy to install operation control module. The specially developed user software offers high flexibility and simple programming.

Technical Data

Control System	180° Vector Control
Input voltage	24 V \approx
Current limit	6.4 A
Speed	2,000 - 40,000 min ⁻¹
Torque	Max. 3.0 N·cm
Weight	77 g
Motor Length	47 mm
Motor Diameter	ø22.5 mm
Cooling air requirement	8 NL/min



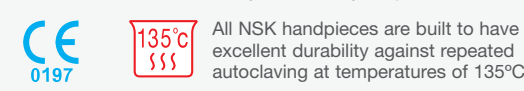
the lightest weight micromotor now in the world

The Perfect Balance of Lightweight,
 Compact Size, Power, Torque & Quietness

Integrated System Individual Components

	<p>MODEL: NL400 BF ORDER CODE: U509-004</p>		<p>MODEL: Ti-Max NL400 MCB ORDER CODE: E267-003</p>
<ul style="list-style-type: none"> • Power module with lamp sub module & air sub module for integrated system • Dimensions : W120 x D85 x H46.6 (mm) 		<ul style="list-style-type: none"> • 2,000~40,000min⁻¹ • Ti-Max micromotor with cord for (NL400) integrated system • Solid Titanium Body* 	
	<p>MODEL: Ti-Max NL400 CDB ORDER CODE: E267-061</p>		<p>MODEL: Ti-Max NL400 ORDER CODE: E267-051</p>
<ul style="list-style-type: none"> • Ti-Max NL400 micromotor cord for integrated system 		<ul style="list-style-type: none"> • Ti-Max NL400 micromotor only (cord not included) • Solid Titanium Body* 	

* Only external body component is titanium.

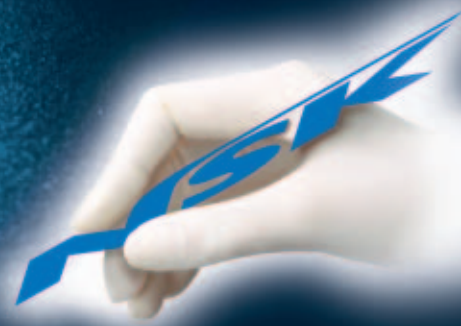


All NSK handpieces are built to have excellent durability against repeated autoclaving at temperatures of 135°C.

<p>NSK NAKANISHI INC. 700 Shimohinata, Kanuma, Tochigi 322-8666, Japan TEL : +81 (0)289-64-3380 FAX : +81 (0)289-62-5636 www.nsk-inc.com</p>	<p>TOKYO OFFICE 6F MY Building, Ueno 1-13-3, Taito-ku, Tokyo 110-0005, Japan TEL : +81 (0)3-3835-2892 FAX : +81 (0)3-3835-2856</p>	<p>NSK Europe Westerbachstraße 58 D-60489 Frankfurt, Germany TEL : +49 (0)69 74 22 99 0 FAX : +49 (0)69 74 22 99 29 www.nsk-europe.de</p> <p>NSK Middle East Dubai Airport Free Zone, Room 2W-310, 3F West Wing, Dubai, UAE TEL : +971-4-299-6644 FAX : +971-4-299-6664</p>	<p>Expect Perfection®</p>
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Specifications are subject to change without notice.

PR-D294E Ver.1 05.02.05.A



Powerful Partners®

Ti-Max TITANIUM

NL400

BRUSHLESS ELECTRIC MICROMOTOR

Lightest Weight, Compact & Very Powerful

Weighing only 77g, and only 47mm in length, the NSK NL400 micromotor rests comfortably without fatigue in any size hand. As a result of NSK innovative technology the world's lightest micromotor delivers a powerful torque output of 3.0 N·cm allowing application of this micromotor for all types of clinical procedures.

The adopted 180 degree Vector Control smoothly delivers powerful torque and also minimises any possible heat generation. NSK NL400 micromotor produces fewer torque ripples than any other competitor resulting in vibration-free rotation for outstanding comfort and long term reliable performance. Ti-Max NL400 will be a highly valuable addition to all Dental Practice.



Shorter and The Lightest

The NL400 is the lightest micromotor in its class. It weighs only 77gms and is comfortable and fatigue-free to hold, even during extended procedures.



Ideal Balance

The Lightweight Solid Titanium micromotor is exceptionally well balanced when handpieces are attached. Perfect for all hand sizes.

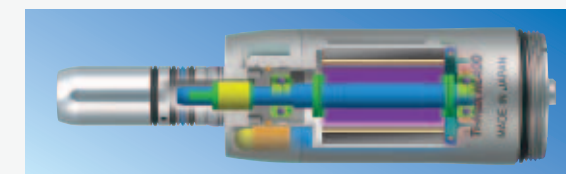


Powerful Torque Micromotor

The NSK NL400 brushless micromotor power output outperforms other recognised competitors and delivers the ideal combination of speed and torque. Maximum torque is 3.0 N·cm. Rotation speed can be effortlessly controlled between 2,000 and 40,000min⁻¹.

Vector Control for Smoother Operation

The NL400 is designed to provide low noise operation. The 180° Vector Control allows the NSK NL400 to move smoothly via step-less rotation throughout the entire speed range.



Autoclavable Titanium Brushless Micromotor

NSK NL400 has a Solid Titanium body which, in combination with the brushless design, is very durable against repeated autoclaving.

135°C
SSS