

News release

Nikon releases new measuring microscopes with more functionality and usability



Tuesday, May 9th, 2023

Brighton, MI - The Nikon MM-series of industrial measuring microscopes has been periodically upgraded since the early 1950s, but not to such an extent as during the latest, sixth makeover. The new generation will be unveiled at the Control 2023 exhibition in Stuttgart, 9th to 12th May, by the Industrial Metrology Business Unit of Nikon Corporation (<https://industry.nikon.com>) on stand 5511 in hall 5.

The company has announced that the new [MM-400N and MM-800N series](#) measuring microscopes will be available from the end of May 2023. Now both series have aperture diaphragm control on the diascope illuminator, which allows an operator to adjust the aperture to optimize both contrast and resolution. It is also possible to set the lighting conditions for measuring cylindrical products.

The newly developed diascope LED illuminator has both white and green light sources, allowing the operator to change easily from one color to the other by pressing a switch on the front of the microscope, without having to insert or remove a filter. Furthermore, by integrating the diascope illuminator into the main body of the measuring microscope, the depth of the instrument has been shortened by 30 mm, reducing the installation footprint.

As part of the makeover, Nikon has modernized the appearance of the measuring microscopes, which sport the company's new, clean-white and black livery. Furthermore, power consumption has been reduced by 10%¹ compared to the former MM-400/MM-800 series models. The manufacturer provides environmentally friendly products and complies with the RoHS Directive and other laws and regulations².

Many component parts are common to the new and previous series models, including the measurement stage, objective lenses, and optical accessories, which a user can continue to use for simple, accurate and highly reproducible measurement applications.

1. Calculated based on Nikon evaluation values

2. Based on Nikon standards, in consideration of domestic and foreign laws and regulations

About Nikon Metrology

Nikon provides a variety of products, services, and solutions worldwide, based on advanced optoelectronics and precision technologies cultivated during the company's more than 100 years of history. The group continues to create new values that contribute to improvement of quality of life and manufacturing in a wide variety of forms. Nikon's Industrial Metrology Business Unit (IMBU) delivers integrated, optimized, ultra-high precision solutions that are not only customized and cost-effective but also work extremely well as soon as they are implemented. A recent development under Nikon's Digital Manufacturing banner is closer cooperation between IMBU and the corporation's Digital Solutions Business Unit (DSBU), which has launched a series of optical additive and subtractive manufacturing solutions for processing a wide variety of materials to sub-micron surface finish. www.industry.nikon.com

Media Contact:

Nikon Metrology, Inc – Americas

12701 Grand River Road

Brighton, MI 48116 USA

Contact: Meghan Meinert-Muell, Assistant Marketing Manager

Email: marketing.nm-us@nikon.com

Web: www.industry.nikon.com

Issued by:

The Right Image Ltd

PO Box 42, Twickenham, TW1 1BQ

Tel: +44 (0)20 8891 0603

Contact: Chris Wright