

Standard configuration Ryf-Nikon MM Series



STANDARD CONFIGURATIONS

**NIKON MM200 / MM400-SERIES; ZOOM 12X, M3
SOFTWARE DIGITAL PROFILE & MEASUREMENT
PROJECTOR / MEASUREMENT MICROSCOPE**

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Standard configuration Ryf-Nikon MM Series

Set R-201 Measuring Microscope Nikon MM200 with M3 Software (without motorizing and without coax. Illuminator), Ryf SAP no. 124909:

EDA52000: Measuring microscope MM-200 with table X-Y 50x50mm, Zoom lens 12x/camera cover kit for MM200, (Swiss made), holding device on Nikon MM200 for zoom 12x lens (Swiss made), objective lens 12X zoom with click stop device/detent w/o FF, c-mount coupler, 1X optical standard lens adapter, 600064: green LED Stage transmission illuminator for MM200-M3 (Swiss made), 600090: intermediate ring to Navitar 12x zoom and 66mm inner diameter ring light (Swiss made)

Software modules, controller box & USB3 camera

FHM-100302: M3 Measuring Software, FHM-100305: M3 Image processing Software, FHM-100306: M3 light control software, FHM-100307: M3 DXF Overlay-Tool, software, FHM-300100-rj: MNC 114 UEC control Box for the M3 Software with illuminator, including controller (FHM-100755-me), illumination control unit FHM-600502 (Made in Germany), LED ring light RL66 with diffuser (Swiss made), 600630 Ryeco C-M3 camera 1920 x 1200 Pixel, USB3 (3060CP), USB 3.0 cable 3m, plug type A male, plug Micro-B 90° Up with screws male, black.

Assembly & calibration process by Ryf Ltd., all-in-one HP computer & accessories

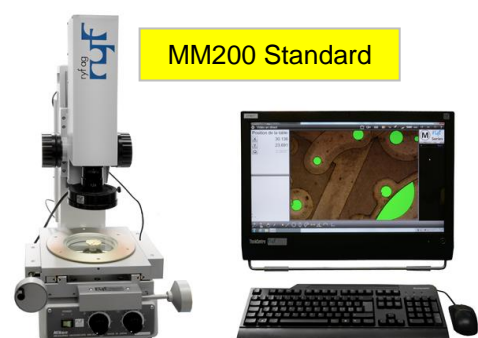
234030: Ryf dust cover for measuring microscopes (Swiss made), 21920: lens cleaning kit Ryf: cleaning liquid RS03 (Swiss made), Science cleaning paper, optical wooden cotton tips with short- and long shaft, labor for assembly and installation in our company, 3042 M3/ MM200 measure protocol, 7AC32EA (or successor): HP EliteOne 800 G5 60 (24 Inch) All-in-One-PC with Touch screen, Windows 10 Pro 64.

Installation and training: See our installation and training list, Ryf Ltd.

Transport and Duty not included

(Packaging = system fixed on a pallet)

Set R-201



Standard configuration Ryf-Nikon MM Series

Set R-205 Measuring Microscope Nikon MM200 with M3 Software, 12x motorized zoom and coaxial Illuminator included), Ryf SAP no. 124910:

EDA52000: Nikon Measuring microscope MM-200 with Nikon X-Y 50x50mm, Zoom lens 12x/camera cover kit for MM200, (Swiss made), holding device on Nikon MM200 for zoom 12x lens (Swiss made), motorized 12x zoom lens with coaxial illumination (encodes/servo motor), c-mount coupler, 1X optical standard lens adapter, 2-50157: Ø 8mm intermediate tube (Swiss made), 1-51272: flat mount for mot. Zoom lens, F50001-LEDrj: fiber optical cold light LED source (RLQ-LED S) with brightness control for M3 with RJ-plug (Swiss made), F50119-S fiber optical Ø 8mm (LMA6/1000mm) light guide with 90° plug, black (Swiss made), 600064: green LED Stage transmission illuminator for MM200-M3 (Swiss made), 600090: intermediate ring to Navitar 12x zoom and 66mm inner diameter ring light (Swiss Made), 3054: mounting kit (Swiss made).

Software modules, controller box & USB3 camera

FHM-100302: M3 Measuring Software, FHM-100305: M3 Image processing Software, FHM-100306: M3 light control software, FHM-100307: M3 DXF Overlay-Tool, software, FHM-100309: motor zoom license, FHM-300100-rj: MNC 114 UEC control Box for the M3 Software with illuminator, including controller (FHM-100755-me), illumination control unit FHM-600502 (Made in Germany), LED ring light RL66 with diffuser (Swiss Made), 600630 Ryeco C-M3 camera 1920 x 1200 Pixel, USB3 (3060CP), USB 3.0 cable 3m, plug type A male, plug Micro-B 90° Up with screws male, black.

Assembly & calibration process by Ryf Ltd., all-in-one computer & accessories

234030: Ryf dust cover for measuring microscopes (Swiss made), 219920: lens cleaning kit Ryf: cleaning liquid RS03 (Swiss made), Science cleaning paper, optical wooden cotton tips with short- and long shaft, labor for assembly and installation in our company, 3042 M3/ MM200 measure protocol, 7AC32EA (or successor): HP EliteOne 800 G5 60 (24 Inch) All-in-One-PC with Touch screen, Windows 10 Pro 64.

Installation and training: See our installation and training list, Ryf Ltd.
 Transport and Duty not included
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Set R-205



Standard configuration Ryf-Nikon MM Series

Set R-401 Measuring Microscope Nikon **MM400** with **M3** Software (without motorizing and without coax. Illuminator), **Ryf SAP no. 125138:**

EDA54300: Nikon Measuring microscope MM-400 stand with Nikon PPB37705 X-Y stage 100x100mm, Zoom lens 12x/camera cover kit for MM400, (Swiss made), holding device on Nikon MM400 for zoom 12x lens (Swiss Made), objective lens 12X zoom with click stop device/detent w/o FF, c-mount coupler, 1X optical standard lens adapter, 600064: green LED Stage transmission illuminator for MM200-M3 (Swiss Made), 600090: intermediate ring to Navitar 12x zoom and 66mm inner diameter ring light (Swiss Made)

Software modules, controller box & USB3 camera

FHM-100302: M3 Measuring Software, FHM-100305: M3 Image processing Software, FHM-100306: M3 light control software, FHM-100307: M3 DXF Overlay-Tool, software, FHM-300100-rj: MNC 114 UEC control Box for the M3 Software with illuminator, including controller (FHM-100755-me), illumination control unit FHM-600502 (Made in Germany), LED ring light RL66 with diffuser (Swiss Made), 600630 Ryeco C-M3 camera 1920 x 1200 Pixel, USB3 (3060CP), USB 3.0 cable 3m, plug type A male, plug Micro-B 90° Up with screws male, black.

Assembly & calibration process by Ryf Ltd., all-in-one computer & accessories

234030: Ryf dust cover for measuring microscopes (Swiss made), 21920: lens cleaning kit Ryf: cleaning liquid RS03 (Swiss made) , Science cleaning paper, optical wooden cotton tips with short- and long shaft, labor for assembly and installation in our company, 3042 M3/ MM400 measure protocol, 7AC32EA (or successor): HP EliteOne 800 G5 60 (24Inch) All-in-One-PC with Touch screen, Windows 10 Pro 64.

Installation and training: See our installation and training list, Ryf Ltd.
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Set R-401



Standard configuration Ryf-Nikon MM Series

Set R-405 Measuring Microscope Nikon MM200 with M3 Software, 12x motorized zoom and coaxial Illuminator included), Ryf SAP no. 124907:

EDA54300: Nikon Measuring microscope MM-400 stand with Nikon PPB37705 X-Y stage 100x100mm, Zoom lens 12x/camera cover kit for MM400, (Swiss made), holding device on Nikon MM400 for zoom 12x lens (Swiss made), motorized 12x zoom lens with coaxial illumination (encodes/servo motor), c-mount coupler, 1X optical standard lens adapter, 2-50157: Ø 8mm intermediate tube (Swiss made), 1-51272: flat mount for mot. Zoom lens, F50001-LEDrj: fiber optical cold light LED source (RLQ-LED S) with brightness control for M3 with RJ-plug (Swiss made), F50119-S fiber optical Ø 8mm (LMA6/1000mm) light guide with 90° plug, black (Swiss made), 600064: green LED Stage transmission illuminator for MM200-M3 (Swiss made), 600090: intermediate ring to Navitar 12x zoom and 66mm inner diameter ring light (Swiss Made), 3054: mounting kit (Swiss made).

Software modules, controller box & USB3 camera

FHM-100302: M3 Measuring Software, FHM-100305: M3 Image processing Software, FHM-100306: M3 light control software, FHM-100307: M3 DXF Overlay-Tool, software, FHM-100309: motor zoom license, FHM-300100-rj: MNC 114 UEC control Box for the M3 Software with illuminator, including controller (FHM-100755-me), illumination control unit FHM-600502 (Made in Germany), LED ring light RL66 with diffuser (Swiss Made), 600630 Ryeco C-M3 camera 1920 x 1200 Pixel, USB3 (3060CP), USB 3.0 cable 3m, plug type A male, plug Micro-B 90° Up with screws male, black.

Assembly & calibration process by Ryf Ltd., all-in-one computer & accessories

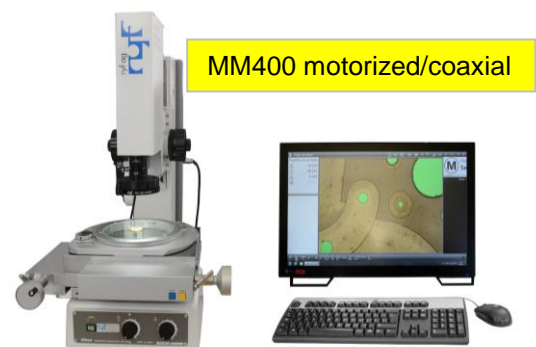
234030: Ryf dust cover for measuring microscopes (Swiss made), 219920: lens cleaning kit Ryf: cleaning liquid RS03 (Swiss made), Science cleaning paper, optical wooden cotton tips with short- and long shaft, labor for assembly and installation in our company, 3042 M3/ MM200 measure protocol, 7AC32EA (or successor): HP EliteOne 800 G5 60 (24 Inch) All-in-One-PC with Touch screen, Windows 10 Pro 64.

Installation and training: See our installation and training list, Ryf Ltd.

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Set R-405



Standard configuration Ryf-Nikon MM Series

Ryf-Nikon MM200/MM400 M3 Measurement Software

The new standard for the measurement of parts using DXF/PDF comparison:
Precise, fast, simple and good value!

The new reference for measuring & comparison of your DXF files: High speed and high precision! Precise and Easy to Use Measuring Microscope for Dimensioning & Tolerancing.

The new Ryf-Nikon Measuring Microscope MM200/MM-400-M3 uniquely designed for all machining engineers and inspectors, who require high precision!

⇒ **Extremely fast and high precision**

- **Intuitive touch application, just one gentle touch!**
- **& the measurement is done!**
- **Easy-to-learn & clear user interface.**
- **User-independent measurement results.**
- **No nested menus.**
- **Just measure & evaluate → accurate, fast and easy.**

Our Standard configurations are subject to change without notice, Ryf Ltd. Grenchen / Switzerland April 2020

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