

## Digital workshop measuring microscope Ryf RMM29



### RYF MEASURING MICROSCOPE WITH ZOOM LENS AND MEASURING STAGE

- Ryeco zoom lens with 5x steps and 15" mini LED screen.
- Ryf high-end NKL12-LED ring incident light and with LED transmitted light.
- Sylvac measuring spindles 50mm
- Simply measuring
- Thanks to the excellent optics: aspect control also possible.
- Inexpensive yet high quality.
- Small footprint / compact design



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## Simple workshop measuring microscope Ryf RMM29 (Swiss Made)

This high-quality and universally applicable workshop measuring microscope from our own production is not only suitable for measurements, but also for critical aspect control of mechanical parts. It is equipped with a high-resolution Ryeco zoom lens, a high-end incident light illumination Ryf NKL12-LED, transmitted light LED (green), a Ryf Full HD-1080 camera with 16x9 FHD image, HDMI connection and a Full HD 15" monitor.

Zoom-steps	Field of view	Magnification with the incl. 15 inch LED monitor	
0.7	7.8mm max.	1mm = 44mm on the screen	44x magnification
1	6.5mm	1mm = 62mm on the screen	62x magnification
2	2.7mm	1mm = 125mm on the screen	125x magnification
3	1.8mm	1mm = 186mm on the screen	186x magnification
4	1.3mm	1mm = 250mm on the screen	250x magnification

### Ryf-RMM29 50x50mm:

Camera sensor:	2.3 MPx, Ryf CMOS camera
Lens type:	Ryeco lens with 5x zoom (07x -4.0x)
Resolution:	± 1.0 µm
Repeatability:	± 4.0 µm
Measuring accuracy:	± 4.0 µm
Measuring range X-Y:	50 x 50mm
Rotation:	Ryf rotary table 360°
Measuring range in Z:	Z = 45mm
Max. Field of view:	7.8mm
Max. Magnification:	250x
Max. Load:	3 kg
External dimensions (LxWxH):	420x320x410
LED Screen:	15 inch, XGA 1920x1080
Illumination:	Coaxial LED transmitted light and Ryf incident LED ring light
Mechanical drive:	NIKON (C-PS drive)
Dust cover:	Ryf RSHM-20 (W/l=430x h=450)
Weight:	11.0 kg
Warranty:	12 months Ryf full warranty with on-site support

www.ryfag.ch

### Application examples

- Measurement of small precision turned parts
- Precision milled parts, bridge parts for watches
- Medtech screws and implants
- Dental implants, plates,
- Watch plates
- Watch dials
- Gear wheels
- Suitable for all metals and plastics

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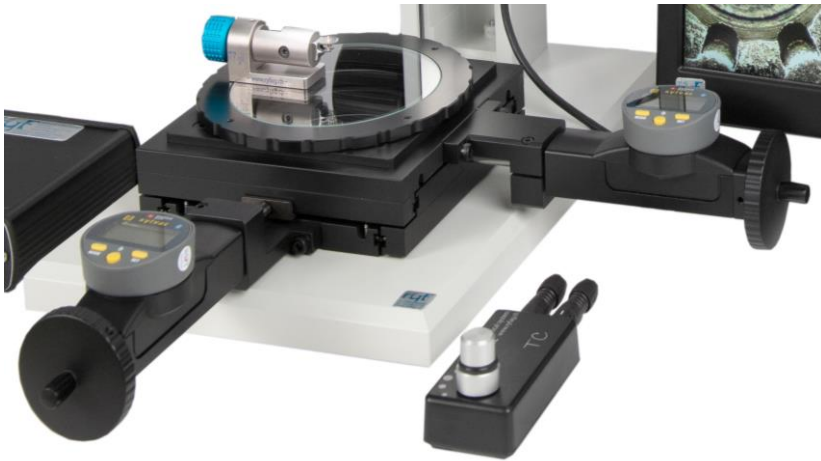
### **Applications:**

Based on the principle of visual measurement and a high-resolution full HD camera with high depth of field, the Ryf RMM29 measuring microscopes enable very simple and fast dimensional measurement.

**The RMM29 series is suitable for precise dimensional measurements in the following areas:**

- Watch industry / microtechnology
- Med-Tech / medical devices / pacemakers / implants
- Electronics, wafers and printed circuit boards / electronic components
- Molds and injection molding
- Precision stamping / fine blanking
- Connector plug connectors,
- Cutting and milling tools

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### At a glance

- Self-guiding operation
- No specialist personnel required
- Fast measurement results
- Deviations immediately visible
- Ready-to-use delivery
- Support from the manufacturer
- Compact design
- High-end Ryeco zoom optics



As the market leader for microscopy and optical measurement, control and testing systems, Ryf AG always requires micromechanical CNC manufacturing expertise for in-house production and customized special solutions. special solutions, Ryf AG repeatedly requires micro-mechanical CNC manufacturing expertise. Modern machines:

Various CNC milling center with three to five axes, CNC drilling and milling machines, CNC turning machines, center lathes and bed milling machines form the basis for the economical and high-precision production of assemblies.

[www.ryfag.ch](http://www.ryfag.ch)



**Ryf Service: at your service**



**Maintenance and service**

### After Sales Service Ryf AG:

Measuring instruments and microscopes need to be checked, calibrated and cleaned at regular intervals. A maintenance and service contract from Ryf AG protects you from unpleasant surprises, because we automatically contact you at the agreed time (after 6, 12, 18 or 24 months) and carry out the maintenance professionally and competently. Of course, we also carry out all work without a maintenance agreement.

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