

RMM2 Rollscope

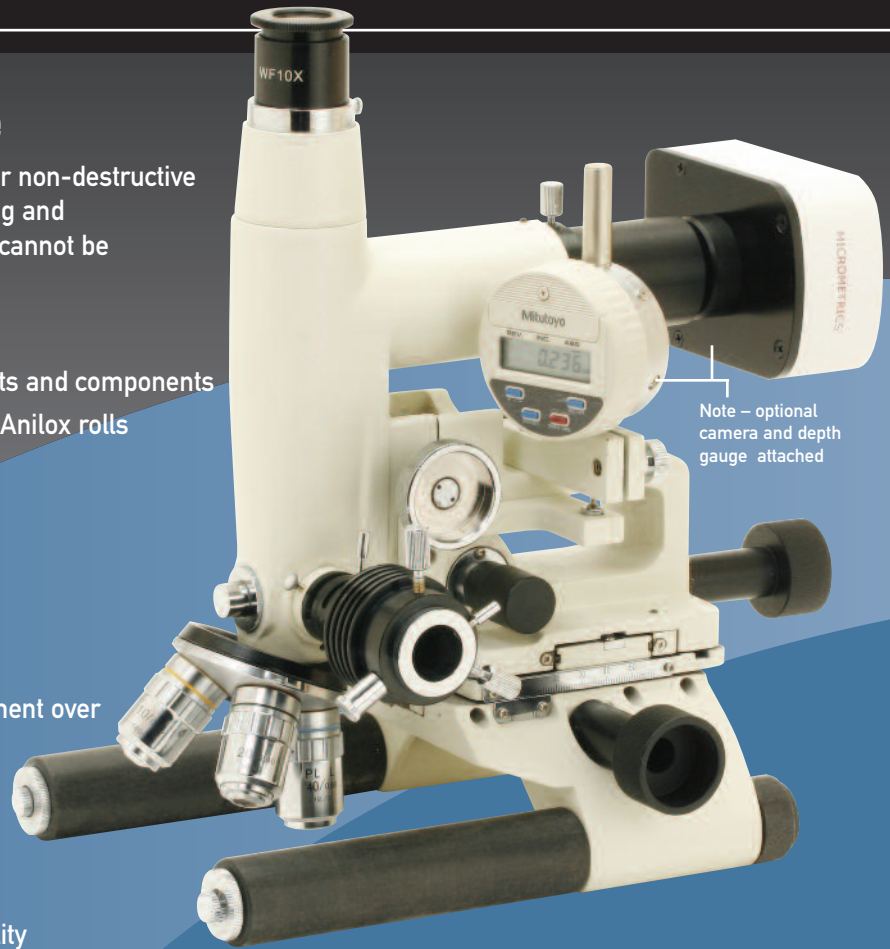
A portable metallurgical-materials microscope for non-destructive or destructive microstructural analysis, measuring and photography of inaccessible or large objects that cannot be placed on the stage of an ordinary microscope.

Common Uses:

- Aviation – to inspect structural integrity of parts and components
- Printing – measurement of Gravure cells and Anilox rolls
- Field metallography
- Ship hull and pressure vessel examination
- Rolled materials inspection
- On-site failure analysis

Key Features:

- Unique roller feet design permits easy movement over large flat or curved surfaces for inspection
- Built-in photo port for simple and easy adaptation for digital imaging
- Portable with battery operation and hard sided aluminum carry case for field operation
- Precise three-dimensional measuring capability
- Heavy duty stand designed and built to withstand years of use



RMM2 SPECIFICATIONS - Cat# 14210

Optical System	Unitron® plan achromat 5x, 10x, 20x and 50x objectives are standard. Optional 40x, 60x and 80x objectives are available.
Observation Method	Brightfield.
Focusing	Rack and Pinion coarse focus 60mm vertical travel with precise micrometer screw fine focus mechanism.
Eyepiece	WF10x eyepiece with built-in diopter adjuster, 22mm field of view and 10mm/100 division crossline reticle.
Nosepiece	Quadruple revolving nosepiece.
X - Y Travel	Rack and pinion controls for graduated movement. Stand will move 40mm (X) and 50mm (Y).
Illuminator	Variable 6 volt 20 watt Koehler type vertical halogen illuminator with field diaphragm for both AC and DC operation.
Filters	Green and yellow filters are standard. A filter slot is built-into the illuminator housing.
Dimensions & Weight	Physical weight & dimensions: 9 lbs.; 9" x 11" x 10" (WDH): Shipping weight and dimensions: 28 lbs.; 21" x 14" x 16"
Miscellaneous	5 year limited warranty, instruction manual and dust cover are supplied with each complete unit.
Accessories	Micrometrics® CCD and CMOS digital c-mount cameras with measurement and materials software. Digital still cameras, analog color and black and white cameras. Video c-mount adapters: 0.5x, 0.67x, and 1x magnifications. Reticles: Grain size, crossline, grid, metric, inch, austenite and custom patterns are available. Stage micrometers in inch or metric rulings with N.I.S.T. traceability are available.