

## 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

<b>Optical System</b>	Unitron® plan achromat 5x, 10x, 20x and 50x objectives are standard. Optional 40x, 60x and 80x objectives are available.
<b>Observation Method</b>	Brightfield.
<b>Focusing</b>	Rack and Pinion coarse focus 60mm vertical travel with precise micrometer screw fine focus mechanism.
<b>Eyepiece</b>	WF10x eyepiece with built-in diopter adjuster, 22mm field of view and 10mm/100 division crossline reticle.
<b>Nosepiece</b>	Quadruple revolving nosepiece.
<b>X - Y Travel</b>	Rack and pinion controls for graduated movement. Stand will move 40mm (X) and 50mm (Y).
<b>Illuminator</b>	Variable 6 volt 20 watt Koehler type vertical halogen illuminator with field diaphragm for both AC and DC operation.
<b>Filters</b>	Green and yellow filters are standard. A filter slot is built-into the illuminator housing.
<b>Dimensions &amp; Weight</b>	Physical weight & dimensions: 9 lbs.; 9" x 11" x 10" (WDH); Shipping weight and dimensions: 28 lbs.; 21" x 14" x 16"
<b>Miscellaneous</b>	5 year limited warranty, instruction manual and dust cover are supplied with each complete unit.
<b>Accessories</b>	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.