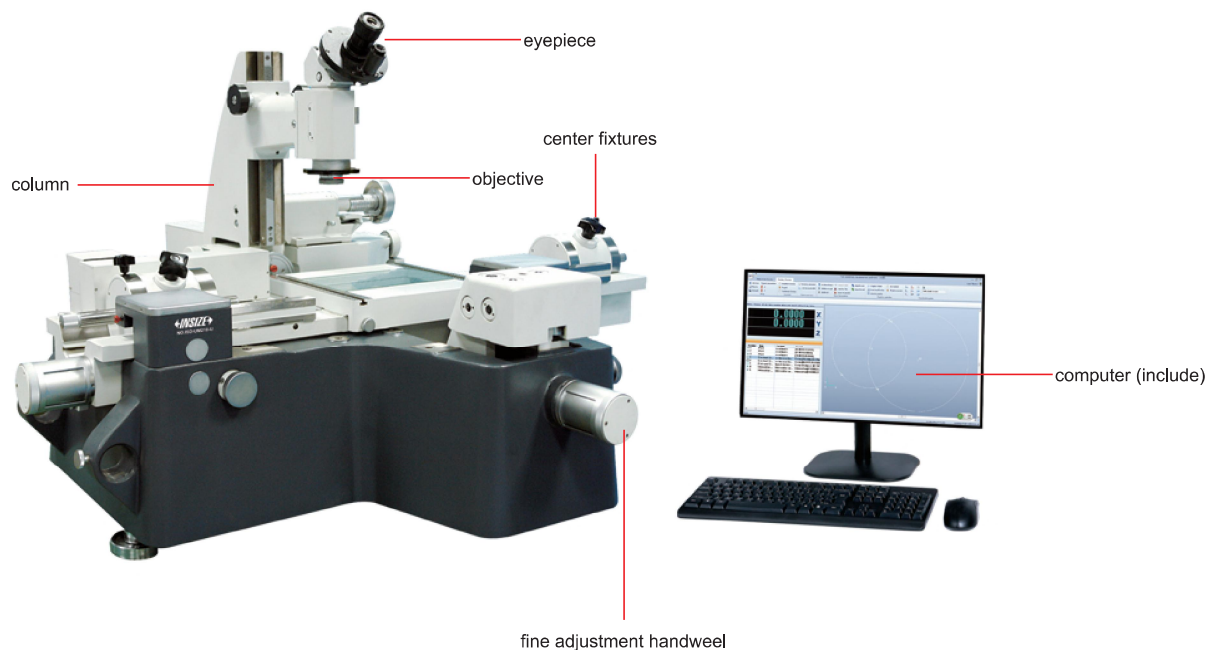


UNIVERSAL TOOLMAKER MICROSCOPE

PART NO. ISD-UM210-U



- Renishaw brand linear scales, high accuracy
- The guide rail groove adopts a circular structure, high accuracy and stability
- The main microscope can be adjusted to different angles, suitable for measuring spiral-shaped workpiece
- Equipped with quick moving and fine adjustment

SPECIFICATION

Measurement range	7.87×3.94"
Metal stage size	10.23×10.63"
Resolution of X/Y axis	3.94μin
Accuracy of X/Y axis	≤(39.4+10L)μin (L is the measuring length in inch)
Repeatability of X/Y axis	3.94μin
Optical magnification	10X~50X
Eyepiece	10X, with crossline, angle division range: 360°, resolution: 1'
Illumination	surface and contour with adjustable LED
Microscope column tilt range	±12°
Microscope column tilt angle resolution	30'
Environmental requirement	temperature: 68°F±1.8°F, relative humidity: 40%~60%
Max. weight of workpiece	88lb
Power supply	110V, 60Hz
Dimension (L×W×H)	51.18×49.21×31.50"
Weight	992lb

Objective	1X (included)	3X (included)	5X (included)
Working distance	3.11"	2.71"	1.93"
Visible range	.79"	.26"	.16"

Main unit	1pc
Anti-dust cover	1pc
Computer	1pc
Eyepiece	1set
Holder with clamp	1set
Center fixtures	1set
Measure cutting tool sets	1set

Round stage	ISD-UM-STAGE	diameter: 8.386", angle division range: 0°~360°, angle resolution: 30"
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The screenshot shows the 'Two coordinate measurement software - J.C.M.E.' interface. The software has a menu bar with 'Measurement function' and 'Auxiliary function'. Below are toolbars for 'Measuring tools' (with a red arrow pointing to the 'Measure' icon), 'X/Y axis' (with a red arrow pointing to the 'X' and 'Y' labels), and 'measuring objects' (with a red arrow pointing to the 'Construct Circle' icon). The main window displays a coordinate system with two intersecting circles, labeled C1 and C2. A table at the bottom shows measurement data for points and circles. The status bar at the bottom indicates 'Ready' and 'X=126.3062, Y=8.6346'.

Number	Item	Content	Result
1	Point	coordinates	(12.0000,12.0000)
2	Point	coordinates	(47.0000,8.0000)
3	Point	coordinates	(58.0000,85.0000)
1	Construct Cir...	center coordin...	Center(39.3408,34.7256)
2	Construct Cir...	center coordin...	Center(86.0822,26.8169)
1	Circle and Ci...	two circle inter...	Center Distance: 47.397
4	intersection ...	intersection co...	intersection(47.0000,0.0000)
5	intersection ...	intersection co...	intersection(58.0000,85.0000)