

# mBOX M205

5 Axes – Microscopic Inclusion mapping system for HeliumRough



## Salient Features

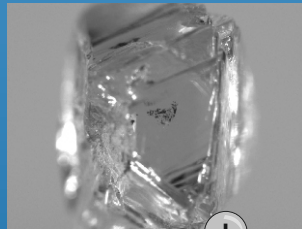
- ↳ Special algorithms for Auto cloud, Auto surface cavities, Blind spot, Pin Point inclusion, 3D inclusion, Flat cracks and Curved cracks.
- ↳ Auto scan of specific area.
- ↳ Tomographical display of "UNSCANNED AREA".
- ↳ 5 Axes control for multi axes maneuvering. Inclusions can be picked and placed from any window located at any place (except the place where the stone is glued).
- ↳ Different lighting options for transparent and opaque inclusions. Special transmitting Light source included (For Immersion Glass Plotting).
- ↳ User friendly GUI and ergonomically designed control board.
- ↳ Inclusion from VVS to I3 can be mapped. Magnification up to 160x / 184x optical
- ↳ Even pin-hole cavities can be scanned and automatically mapped.
- ↳ Automatic focusing on surface.
- ↳ LAN configurable. Can be networked with Helium Rough and other Oxygen / Pacor terminals.
- ↳ Quick inclusion placement and very quick payback time
- ↳ On screen zoom of 1180X
- ↳ Resolution of 0.0006mm/pixel
- ↳ Higher camera resolution
- ↳ Low luminescence camera improving visibility of very fine inclusion
- ↳ Better visibility allowing for auto focus and auto inclusion plotting.
- ↳ Auto Exposure
- ↳ Auto Focus on Inclusion
- ↳ Quick Zooming & Focusing
- ↳ Auto Inclusion Search
- ↳ Special Effects for seeing hard to find inclusion



M-BOX M205 Digital

M-BOX Z16 Digital

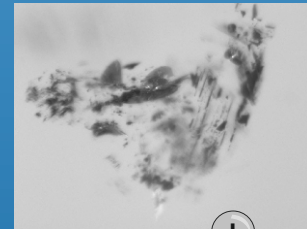
↳ Magnification :	7.8x to 160X	14.2x to 184X
↳ Rough :	0.10 Cts to 1000 Cts	
↳ Inclusion Size :	VVS1 to I3	
↳ Diamond Holding :	Helium Stage (gluing) & between Pins for Polished Diamond	
↳ Inclusion type :	All (Including Cloud, Pin Point, Surface Cracks, 3D etc.) & Auto Cloud Plotting	
↳ Cavity scanning :	Auto - including deep pin-hole cavities	
↳ Warranty :	24 months (12months free service)	
↳ Computer requirements :	Intel Core i7, RAM 4 GB, 22" LCD Monitor / Any Latest	
↳ CMOS Camera :	2/3" CCD - 1360 X 1024 resolution	
↳ Resolution :	0.0006 mm	0.0005 mm
↳ Zoom & Focus :	Motorized auto assistance	
↳ Auto Plotting :	Under Immersion Glass Technology (Optional)	



20x



80x



160x



Works in conjunction with

