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
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>M-BOX M205 Digital</th>
<th>M-BOX Z16 Digital</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Magnification</strong></td>
<td>7.8x to 160X</td>
<td>14.2x to 184X</td>
</tr>
<tr>
<td><strong>Rough</strong></td>
<td></td>
<td>0.10 Cts to 1000 Cts</td>
</tr>
<tr>
<td><strong>Inclusion Size</strong></td>
<td></td>
<td>VVS1 to I3</td>
</tr>
<tr>
<td><strong>Diamond Holding</strong></td>
<td></td>
<td>Helium Stage (gluing) &amp; between Pins for Polished Diamond</td>
</tr>
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<td><strong>Inclusion type</strong></td>
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<td>All (Including Cloud, Pin Point, Surface Cracks, 3D etc.) &amp; Auto Cloud Plotting</td>
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<td><strong>Cavity scanning</strong></td>
<td></td>
<td>Auto - including deep pin-hole cavities</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td></td>
<td>24 months (12months free service)</td>
</tr>
<tr>
<td><strong>Computer requirements</strong></td>
<td></td>
<td>Intel Core i7, RAM 4 GB, 22&quot; LCD Monitor / Any Latest</td>
</tr>
<tr>
<td><strong>CMOS Camera</strong></td>
<td></td>
<td>2/3&quot; CCD - 1360 X 1024 resolution</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
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</tr>
<tr>
<td><strong>Zoom &amp; Focus</strong></td>
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<td></td>
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Rough :

- Inclusion Size : 0.10 Cts to 1000 Cts
- 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
- Zoom & Focus : Motorized auto assistance
- Auto Plotting : Under Immersion Glass Technology (Optional)

Works in conjunction with Helium Rough™