Scan the polish diamonds with ultrahigh precision, within a very tight 6 sigma limits, helping the labs to consistently grade the cut and symmetry based on 3D scan with high confidence. So invariably almost all the labs worldwide uses Helium Polish scanner for cut and symmetry grading.
- Consistent measurement readings comfort the polisher while attempting minor facet corrections to improve cut and symmetry grade.
- Helium Polish scanner do not require any adjustments or calibration. In fact the precision is built into the scanner to consistently give the correct reading all the time, no matter where the scanner is installed or when it is used. Thermal expansions are compensated automatically during the use, thus requiring no adjustments.
- The minor symmetries are very precisely picked up, allowing graders to completely rely on the 3D model built by the scanner, and grade the symmetry objectively.
- Interactive 3D (i3D) report includes everything one wants in a report, including photoreal images and fold symmetry report.
- The Oxygen program allows one to prepare optional custom report to suitable any specific need or analysis.
- More than 3000 data fields are exported, including images for every scan.
- Optional Asymmetric Smart Recut including GIA Facetware + MyGIA adds a great value while working with semi-polish diamonds. A gain of 2 to 3% in yield is very common.
- Possibility to transfer bruting data directly to EOS Fancy bruting machine for precise reproduction of Asymmetric recut plan.
- Useful for Rounds and Fancies, Semi-polish and polish alike.
- Can build 3D models of special fancy cut diamonds with very high precision, while using sample ASC as scan reference.
- Helps polishers in correcting the multi-fold symmetry / junction symmetry, and the grader to objectively grade the shape symmetry based on the scan data.

**MACHINE MODELS**

<table>
<thead>
<tr>
<th>Field of view</th>
<th>Polish Size</th>
<th>3D-model Accuracy</th>
<th>Projected RBC range</th>
<th>Proj. Marquise range</th>
<th>Lens</th>
<th>Weight</th>
<th>Dimensions L x W x H</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.56 X 5.67mm</td>
<td>1.00 - 5.5mm</td>
<td>2.9 Micron</td>
<td>0.004 - 0.60 Cts</td>
<td>0.01 - 0.16 Cts</td>
<td>2x</td>
<td>1.3 Kg</td>
<td>62x16x21(cm)</td>
</tr>
<tr>
<td>7.12 X 11.34mm</td>
<td>2.3 - 11.0mm</td>
<td>5.9 Micron</td>
<td>0.05 - 4.80 Cts</td>
<td>0.09 - 1.30 Cts</td>
<td>1x</td>
<td>19 Kg</td>
<td>72x16x21(cm)</td>
</tr>
<tr>
<td>14.2 X 22.6mm</td>
<td>4.5 - 22.5mm</td>
<td>11.7 Micron</td>
<td>0.35 - 38 Cts</td>
<td>0.60 - 10.7 Cts</td>
<td>0.5x</td>
<td>25 Kg</td>
<td>92x16x21(cm)</td>
</tr>
<tr>
<td>28.4 X 45.2mm</td>
<td>9.0 - 45.0mm</td>
<td>23.4 Micron</td>
<td>3.00 - 330 Cts</td>
<td>5.00 - 86 Cts</td>
<td>0.25x</td>
<td>25 Kg</td>
<td>92x16x21(cm)</td>
</tr>
</tbody>
</table>

**Diamond Types**: Any Cut

**Standard Re-Cut Option**: Available

**Asymmetric Smart Recut Option based on GIA Facetware + MyGIA**: Optional (€ 3750)

**GIA Facetware based Grade estimation**: Optional - Cut as well as Symmetry (€ 1060)

**Soft HTML5 Report**: Very advanced interactive 3D report (i3D report)

**Print reports**: Available (Very detailed + user defined) & Galahad Reports

**Custom report**: Available

**Mfg. Warranty**: 24 months | **Service Warranty**: 12 months

**CMOS Camera**: 1/1.2" - 1936X1216

**Computer Requirements**: Intel Core i7/Higher, SSD HDD, NVIDIA GeForce Graphics Card

**Operating Systems**: Windows 10 Professional - 64bit

**Power consumption**: 220V 50Hz 300W