Mono-crystalline diamond tooling used in conjunction with ultra-precision, CNC machine tools are used to direct lathe specialty materials for contact lenses and intraocular lenses and/or mold inserts.

Direct Lathe Lens Materials: RGP, Hydrophobic, Hydrophilic
Mold Materials: NiP (>10% P), CuNi, Al, CuZn, CuSn

K&Y Diamond manufactures insert type tools and shank type tools to fit standard tool holders for all ophthalmic machine tool manufacturers including: DAC International, Nanotech, Precitech/ Optiform, Precitech/Nanoform, CityCrown

K&Y Diamond’s state of the art manufacturing and metrology techniques provide unique capabilities for shaping diamond into complex shapes with unsurpassed accuracy.

<table>
<thead>
<tr>
<th>Feature</th>
<th>K&amp;Y Capability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radius</td>
<td>0.001 mm to 600.0 mm</td>
</tr>
<tr>
<td>Waviness</td>
<td>&lt;20nm P/V over 120°</td>
</tr>
<tr>
<td>Rake</td>
<td>-35° - + 10°, ±0.5°</td>
</tr>
<tr>
<td>Front Clearance</td>
<td>3° - 30°, Cylindrical or Conical</td>
</tr>
<tr>
<td>Cutting profile</td>
<td>Full Radius, Split Radius, V-Tool, Flat, Elliptical, Custom Facet</td>
</tr>
<tr>
<td>Included angle/ Sweep</td>
<td>10° Smallest included angle 180° maximum sweep</td>
</tr>
<tr>
<td>Shank Material</td>
<td>Insert Type, Carbide, Steel</td>
</tr>
</tbody>
</table>

www.kydiamond.ca * sales@kydiamond.ca * 1 (514) 333-5606 * 2645 Diab, St-Laurent, Quebec H4S 1E7, Canada
K&Y Diamond Ordering Information

CONTACT LENS & INTRAOCULAR LENS APPLICATIONS

K&Y Diamond Re-Lap and Re-Cone Service

K&Y Diamond has internal capacity to re-lap over 400 tools per day. All tools sent to K&Y Diamond for repair undergo incoming inspection for excessive wear or damage. Customer's are notified if a tool requires a re-cone or repair prior to service. Re-lapped tools are turned around in one day. Re-coned tools are turned around in 1-2 weeks. K&Y Diamond will repair tools from any manufacturer.

Send all diamond tool repairs to:

USA Customers
K&Y Diamond
Trimex Building
2330 Champlain St.
Mooers, NY 12958
T: 514.333.5606

Canada & International
K&Y Diamond
2645 Diab
St-Laurent, Quebec, H4S 1E7
CANADA
T: 514.333.5606

K&Y Diamond has a wide variety shank sizes and angular offsets for insert holders.
For more information, please email: sales@kydiamond.ca

Diamond End-mills for Ophthalmic applications: Haptic Milling or Marking