Each of our Cerium & Rare Earth Oxide polishing compounds, slurries & powders have been uniquely engineered for optimal stock removal and surface finish. While all are excellent performers across a wide range of speeds, pressures, and polishing media, each formulation has a highly individualized set of properties to meet very specific criteria.

- Low to Sub-Angstrom Finishes
- Ability to Achieve Scratch Dig Down to 0/0
- Increased Yields
- Purity Levels up to 99.9%
- Ability to Run at Variety of Concentrations
- Compatible with Wide Range of Pads, Pitch, & Synthetic Media
- Wide Range of Particle Sizes

Universal Photonics extensive line of premium consumables and equipment bring the precision of semi-conductor technology to the optics industry.

Engineered to consistently deliver higher tolerances and yields, our products have been at the forefront of innovative polishing applications for nearly a century.

Universal Photonics specializes in total polishing systems, including polishes, pads & equipment. Our R&D team will work with you to develop a customized system for your unique application. All projects are treated with professional confidentiality.

For further technical information and sales inquiries, please contact our friendly customer service professionals or a UPI Field Applications Engineer.
**The Unicers**

<table>
<thead>
<tr>
<th>The Unicers</th>
<th>APS µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unicer 77</td>
<td>1.00 - 2.00</td>
</tr>
<tr>
<td>Unicer 166</td>
<td>1.00 - 2.00</td>
</tr>
<tr>
<td>Unicer 636</td>
<td>1.00 - 2.00</td>
</tr>
<tr>
<td>Unicer 659</td>
<td>1.00 - 2.00</td>
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</tbody>
</table>

**The Hastilites**

<table>
<thead>
<tr>
<th>The Hastilites</th>
<th>APS µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hastilite PO</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite POS</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite PO ULTRA</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite R</td>
<td>0.60 - 1.60</td>
</tr>
<tr>
<td>Hastilite 999</td>
<td>0.40 - 0.60</td>
</tr>
<tr>
<td>Hastilite RS</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite RS-1</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite C</td>
<td>0.45 - 0.75</td>
</tr>
<tr>
<td>Hastilite PO-ES</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite Super PO</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite PO-R1</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>Hastilite ZD</td>
<td>0.80 - 1.50</td>
</tr>
<tr>
<td>Hastilite 919</td>
<td>0.90 - 1.15</td>
</tr>
<tr>
<td>Hastilite FIN</td>
<td>0.30 - 0.40</td>
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<tr>
<td>Hastilite Alpha 3</td>
<td>0.20 - 0.40</td>
</tr>
<tr>
<td>H2000</td>
<td>0.40 - 0.70</td>
</tr>
<tr>
<td>H2000-SSS</td>
<td>0.40 - 0.70</td>
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</tbody>
</table>

**The Rhodites**

<table>
<thead>
<tr>
<th>The Rhodites</th>
<th>APS µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhodite UA</td>
<td>2.00 - 4.00</td>
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<tr>
<td>Rhodite 90</td>
<td>2.00 - 4.00</td>
</tr>
<tr>
<td>Rhodite 91</td>
<td>2.00 - 4.00</td>
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<tr>
<td>Rhodite 200</td>
<td>0.50 - 2.10</td>
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<tr>
<td>Rhodite 200 SRB</td>
<td>0.50 - 2.10</td>
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<tr>
<td>Rhodite 235</td>
<td>0.50 - 2.00</td>
</tr>
<tr>
<td>Rhodite 400</td>
<td>0.50 - 2.10</td>
</tr>
<tr>
<td>Rhodite 2300</td>
<td>2.00 - 3.00</td>
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</table>

**Cerox**

<table>
<thead>
<tr>
<th>Cerox</th>
<th>APS µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cerox 1650</td>
<td>1.00 - 2.00</td>
</tr>
<tr>
<td>Super Cerox 1663</td>
<td>1.10 - 1.90</td>
</tr>
<tr>
<td>Cerox 1670</td>
<td>1.00 - 2.00</td>
</tr>
</tbody>
</table>

**Assorted**

<table>
<thead>
<tr>
<th>Assorted</th>
<th>APS µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big C</td>
<td>0.45 - 0.75</td>
</tr>
<tr>
<td>Opaline</td>
<td>0.50 - 1.00</td>
</tr>
<tr>
<td>Rhodox 76</td>
<td>2.00 - 3.00</td>
</tr>
<tr>
<td>Super Ce-Rite 415</td>
<td>1.00 - 2.00</td>
</tr>
<tr>
<td>Unicol 80 CE</td>
<td>0.10 - 0.20</td>
</tr>
<tr>
<td>Unicol 125 CE</td>
<td>0.10 - 0.20</td>
</tr>
<tr>
<td>Rare Earth 89</td>
<td>0.40 - 0.60</td>
</tr>
<tr>
<td>76X Polish Rare Earth Pails</td>
<td>0.50 - 1.30</td>
</tr>
</tbody>
</table>

**Name the Polishing Application**

**We Provide the Solution**

**Universal Photonics** delivers the right polishing compound, powder or slurry to meet the requirements of any polishing application.

Decades of research, development, and extensive fieldwork across a variety of industries assures the most advanced, tried & true, surfacing products and technology.

From our world-renowned, proprietary brands....

**The Unicers**

This white-colored, premium grade line of polishes performs well across a range of speed, pressure, and pad materials in a variety of precision optics and ophthalmic applications.

**The Hastilites**

Using the most advanced design and engineering practices in polishing compound fabrication, the Hastilites offer a variety of formulations to assure state-of-the-art optic surfaces whatever your unique application.

...To well-known, top-performers like Cerox and the ultra-pure Opaline, among others, you’ll find the right Cerium or Rare Earth Oxide for your surfacing application.

This is a partial representation of UPI’s available line of Cerium. Please contact a Field Applications Engineer or our Account Services Team for more information. (1) 516.935.4000 or 800.645.7173