

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.

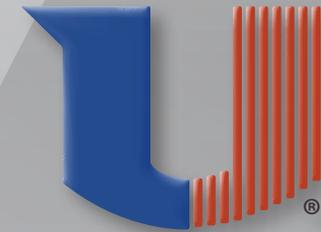


**UNIVERSAL PHOTONICS
INCORPORATED**

The Science of Surfacing™

85 JETSON LANE • CENTRAL ISLIP NY 11722 USA
(1) 516.935.4000 • 800.645.7173

WWW.UNIVERSALPHOTONICS.COM
cerium/0820



CERIUM AND RARE EARTH OXIDES



**POLISHING COMPOUNDS,
SLURRIES & POWDERS
FOR
EVERY SURFACING APPLICATION**

THE UNICERS	APS μm
UNICER 77	1.00 - 2.00
UNICER 166	1.00 - 2.00
UNICER 636	1.00 - 2.00
UNICER 659	1.00 - 2.00



THE HASTILITES	APS μm
HASTILITE PO	0.40 - 0.70
HASTILITE POS	0.40 - 0.70
HASTILITE PO ULTRA	0.40 - 0.70
HASTILITE R	0.60 - 1.60
HASTILITE 999	0.40 - 0.60
HASTILITE RS	0.40 - 0.70
HASTILITE RS-1	0.40 - 0.70
HASTILITE C	0.45 - 0.75
HASTILITE PO-ES	0.40 - 0.70
HASTILITE SUPER PO	0.40 - 0.70
HASTILITE PO-R1	0.40 - 0.70
HASTILITE ZD	0.80 - 1.50
HASTILITE 919	0.90 - 1.15
HASTILITE FIN	0.30 - 0.40
HASTILITE ALPHA 3	0.20 - 0.40
H2000	0.40 - 0.70
H2000-SSS	0.40 - 0.70

**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 RHODITES

Optimized for stock removal and surface finish, the tan/brown colored **RHODITES** function well in low concentration for a broad range of precision optics and glass applications.

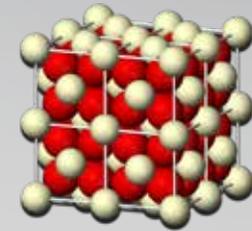
THE HASTILITES

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

THE RHODITES	APS μm
RHODITE UA	2.00 - 4.00
RHODITE 90	2.00 - 4.00
RHODITE 91	2.00 - 4.00
RHODITE 200	0.50 - 2.10
RHODITE 200 SRB	0.50 - 2.10
RHODITE 235	0.50 - 2.00
RHODITE 400	0.50 - 2.10
RHODITE 2300	2.00 - 3.00



CEROX	APS μm
CEROX 1650	1.00 - 2.00
SUPER CEROX 1663	1.10 - 1.90
CEROX 1670	1.00 - 2.00

ASSORTED	APS μm
OPALINE	0.50 - 1.00
RHODOX 76	2.00 - 3.00
SUPER CE-RITE 415	1.00 - 2.00
UNICOL 80 CE	0.10 - 0.20
UNICOL 125 CE	0.10 - 0.20
RARE EARTH 89	0.40 - 0.60
76X POLISH RARE EARTH PAILS	0.50 - 1.30