**Chilling & Filtering Equipment**

**Precise & High Performance**

- **THE CHILLMATES**
  - Indoor/Outdoor chilling for precision machines
- **SUPERSAVER 495 & 595**
  - Constant liquid chilling for quick start-up and higher performance
- **EDGEBRAT COOLANT FILTRATION SYSTEMS**
  - Increases edge efficiency & demand life
- **LUB LEAK REMOVAL SYSTEM**
  - Removes hazardous contaminants & returns clean, lead-free water
- **ULTRA-FILTRATION SYSTEMS**
  - Reduces waste volume up to 99% without chemical additives

**Multi spindle precision grinding & polishing**

**MEGAAP LIQUID ELIMINATION SYSTEM**

- Reduces waste volume for extraordinary savings

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**Double-Sided Lapping & Polishing Machines**

**High Speed • High Precision • Maximum Processing • Up to 200 RPM per plate • SOMOS machines**

- **PLATE DIAMETER**
  - **MAXIMUM CARRIER DIAMETER**
- **MDH 400 PR**
  - 15.7”
  - 7.2”
- **TPM 400 A**
  - 15.7”
  - 7.2”
- **TPM 630 PR**
  - 24.8”
  - 10.0”
- **TPM 1200 S**
  - 47.2”
  - 19.5”
- **TPM 1600 S**
  - 63.0”
  - 26.0”
- **TPM 2300 S**
  - 90.55”
  - 32.0”

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**Precision Machinery**

**Spherical Generator**

- 12” diameter capacity

**Pellet Grinders**

- 4”, 10”, 20” capacity

**High Speed Polish Machines**

- 3, 4, 5, 6, 8, 10, 14, 16, 18, 24, 28, 30, 32, 40, 48, 50, 60, 70, 80, 90, 100, 120, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 2050, 2100, 2150, 2200, 2250, 2300, 2350, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4150, 4200, 4250, 4300, 4350, 4400, 4450, 4500, 4550, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 4950, 5000, 5050, 5100, 5150, 5200, 5250, 5300, 5350, 5400, 5450, 5500, 5550, 5600, 5650, 5700, 5750, 5800, 5850, 5900, 5950, 6000, 6050, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6500, 6550, 6600, 6650, 6700, 6750, 6800, 6850, 6900, 6950, 7000, 7050, 7100, 7150, 7200, 7250, 7300, 7350, 7400, 7450, 7500, 7550, 7600, 7650, 7700, 7750, 7800, 7850, 7900, 7950, 8000, 8050, 8100, 8150, 8200, 8250, 8300, 8350, 8400, 8450, 8500, 8550, 8600, 8650, 8700, 8750, 8800, 8850, 8900, 8950, 9000, 9050, 9100, 9150, 9200, 9250, 9300, 9350, 9400, 9450, 9500, 9550, 9600, 9650, 9700, 9750, 9800, 9850, 9900, 9950, 10000

**SOMOS Machines**

- Plate diameter max
- Carrier diameter max

**CONTINUOUS LAP & POLISH MACHINES**

- Machines
  - 36” - 144” capacity
  - Laps up to 144” / Designed to your specs

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**Filtering Equipment**

**The Chillermates**

- Indoor/outdoor chilling for precision machines

**SuperSaver 495 & 595**

- Constant liquid chilling for quick start-up and higher performance

**EdgEbatter Coolant Filtration Systems**

- Increases edge efficiency & demand life

**Lub Leak Removal System**

- Removes hazardous contaminants & returns clean, lead-free water

**Ultra-Filtration Systems**

- Reduces waste volume up to 99% without chemical additives

---

**Centrifuges**

- From one generator or 3-5 edge treatment machines to centralized, fully automated systems for an entire facility

**Compactors & Cutters**

- Cutting & compressing plastic chips dramatically reduces waste

**Compact Dual Processors**

- Centrifuge & Compactor for maximum efficiency

**Tabletop Machinery**

**Universal BB Chamfering**

- For rounded parts from a wide range of materials

**Dama Chamfering Beveler 450 or 750**

- High-speed quality beveling & accuracy of straight or prismatic bodies

**“hit-cut” Cut-Off Machines**

- High-precision cutting of metals

**Air-100 Abrasive Hand Edger**

- Provides high-quality edge finish on a variety of materials

**Auto Lens Edge Polisher**

- Automatic lens edge polishing

**Firex Optic Polisher**

- Provides high-quality edge finish on a variety of materials

**Pattern Maker**

- Provides high-quality edge finish on a variety of materials

**Auto Stuffer & Master**

- Provides high-quality edge finish on a variety of materials

**Wax Dispensers**

- Provides high-quality edge finish on a variety of materials

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**Accessories**

- We continually expand our line to include the most advanced accessory production items

**PROstir**

- Narrow-neck red and black stirring apparatuses

**HD 710 Extrusion Gun**

- Ergonomic, sturdy structure for strong bonds for all industries

---

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### Polishing Compounds

**CERIUM & RARE EARTH OXIDES**
Wide range available to meet most requirements and applications.

- UNICER Series - Premium grade, white powders with wide range performance.
- CERUSA powders: CEROS Ultra-Pure, CERITANE Powder.
- NANO CERIUM: NANO CERIUM CARBIDE
- CERIUM / ZIRCONIUM: UNALUX Series
- ALUMINUM CARBIDE: ZIRCONIUM OXIDES
- SILICON CARBIDE: DIAMOND ABRASIVE & DIAMOND PRODUCTS

**DIAMOND ABRASIVE & DIAMOND PRODUCTS**

- DIAMOND POWDERS, COMPOUNDS, & SLURRIES:
  - DIAMOND 지난: Water-based, silicate abrasive & diamond slurries.
  - DIAMOND POLYTRON: Car Dfiffs & Intergrated Dfils, Central Fdows.
- UNILAP - DIAMOND ABRASIVE LAPPING FILM:
  - Cutting fluid & coolant ablated specially formulated for free abrasive lapping & smoothing.

**Coatings & Adhesives**

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<tr>
<th>Coatings</th>
<th>Adhesives</th>
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<tbody>
<tr>
<td>PROTECTODIOTE</td>
<td>X-59 Scragpade</td>
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<tr>
<td>PZ453 Coating</td>
<td>PZ459 Quick Dry</td>
</tr>
<tr>
<td>SURFACE SAVING TAPE</td>
<td></td>
</tr>
<tr>
<td>X-14 CEMENT</td>
<td>DURABOND</td>
</tr>
<tr>
<td>DURABOND</td>
<td></td>
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</tbody>
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### Abrasives

**ALUMINUM OXIDE**

- RHODES ALUMINA: High-purity, Low cost.
- MICROGKHT: OPTICAL POWDER General Use.
- CRYSTAL FINISH Powders:

**SILICON CARBIDE**

- UNASIL: UNSIL Green.
- BORON CARBIDE: Regular/Worked.

**UNILAP - ABRASIVE LAPPING FILM**

- Cutting fluid & coolant ablated specially formulated for free abrasive lapping & smoothing.

### Optical Pitch: Polishing

**PITCH**

- Custom blends available in a wide range of particle sizes.
- RHORBOND/90: 855 RHORBOND/90: RHORBOND/90F:
- 459 RHORBOND/90: 1164 READY TO USE.

**Optical Pitch: Raw Material / Blending**

- SPRAYBOND/90: 855 SPRAYBOND/90: RHORBOND/90F:
- 459 SPRAYBOND/90: 1164 SPRAYBOND/90F.

### Optical Blocking

**PITCH**

- FOR CONTACT LENS PROCESSING:
  - MEDIUM: MEDIUM 100/125, MEDIUM D:
  - LARGE: LARGEn 100/125, DIAMOND D.

### Testing Apparatus

- SCRATCH & DIO: Accurate in varying light & angles of view.
- INFRARED THERMOMETERS: Digital non-contact results, ½ second response.
- SPHEREBENDER RINGS: Available as completely set or individually.

### Carriers: Lapping, Grinding, & Polishing

- Ranges up to 45° OD, 3-5 Day Turnaround, Custom Configurations.

## CDMG Glass

**Strip Glass**
- Environmentally friendly (ECO) glass.
- Low Softening Point (Low Temp) glass.
- UV High Transmittance glass.

### Contact Lens Processing

- We manufacture & distribute a wide range of specialty pitch & waxes.

### Polish Materials & Pads

- UNI-VI White-Back Pad.

### Other Resources

- Natural, Grade A, clean, large uniform sizes.
- Polycarbonate CR-39:
  - Mid/High Index.
- Glass:
  - Edging & Blocking.

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*Universi® Photonics* brings over 9,000 products to meet the requirements of ANY surfacing application and the technical expertise for COMPLETE PROCESSING SOLUTIONS. Here are the broader categories of our extensive product line. If you can’t find what you’re looking for please contact us directly. Chances are we have it! 516-933-4000.