# SURFACE-TREATMENT, CLEANING AND FINISHING CAPABILITIES

The selections of finishes are virtually unlimited and so are the applications.

### FINISHING
- Add matte or satin finish, or decorative frost
- Remove glare or imperfections
- Blend marks
- Hone and burnish
- Mark identifications

### CLEANING & REMOVAL
- Chemical impurities
- Coatings
- Paint
- Sealants and adhesives
- Carbon deposits
- Scale
- Excess brazing
- Casting materials
- Flashing
- Burrs
- Rust
- Oxidation

### SURFACE TREATMENT & PREPARATION
- Strengthen
- Add fatigue resistance
- Improve wear properties
- Reduce design weights, porosity, friction or susceptibility to corrosion
- Expose flaws for inspection
- Improve lubrication
- Etch for bonding and adhesion
- Cut

### MEDIA GUIDE

<table>
<thead>
<tr>
<th>Media Type</th>
<th>Ceramic Shot</th>
<th>Glass Bead</th>
<th>Stainless Cut Wire</th>
<th>Steel Shot</th>
<th>Alum. Oxide</th>
<th>Crushed Glass</th>
<th>Garnet</th>
<th>Jet Mag™</th>
<th>Silicon Carbide</th>
<th>Stel Grit</th>
<th>Plastic Media</th>
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</thead>
<tbody>
<tr>
<td>Finishing</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>Cleaning/Removal</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Peening</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>Surface Profiling (Etch)</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Working Speed</td>
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<td>MED</td>
<td>MED</td>
<td>MED</td>
<td>HIGH</td>
<td>HIGH</td>
<td>HIGH</td>
<td>HIGH</td>
<td>LOW-HIGH</td>
<td>VERY-HIGH</td>
<td>MED-HIGH</td>
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<td>HIGH</td>
<td>VERY-HIGH</td>
<td>MED-HIGH</td>
<td>MED-HIGH</td>
<td>MED</td>
<td>MED</td>
<td>LOW</td>
<td>MED-HIGH</td>
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<tr>
<td>Probability of Metal Removal</td>
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<td>VERY-LOW</td>
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<td>MED-HIGH</td>
<td>LOW-MED</td>
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<td>MED-HIGH</td>
<td>MED</td>
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<tr>
<td>Hardness, MOH Scale (Rockwell RC)</td>
<td>7 (57-63)</td>
<td>5.5</td>
<td>6-7.5 (35-55)</td>
<td>6-7.5 (20-66)</td>
<td>8.9</td>
<td>5.5</td>
<td>8</td>
<td>7.5</td>
<td>9</td>
<td>8-9 (40-66)</td>
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<tr>
<td>Bulk Density (lb/cu.ft.)</td>
<td>150</td>
<td>100</td>
<td>280</td>
<td>280</td>
<td>125</td>
<td>100</td>
<td>85</td>
<td>96</td>
<td>230</td>
<td>46-60</td>
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<td>Typical Blast Pressure (psi)</td>
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<td>30-90</td>
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</table>

**NOTES:**
Above information is intended as a general reference guide. Consult your authorized ISTblast distributor for specific media specifications.

**NEVER USE SILICA SAND IN ANY ISTBLAST EQUIPMENT**