CONTINENTAL DIAMOND TOOL CORPORATION

RESI MAX
RESIN BOND DIAMOND AND CBN PRODUCTS
For maximum longevity, CDT’s ResiMax Diamond and CBN wheels are the best. ResiMax offers improved cutting action, productivity, and longer life. Whether it is our pre-engineered bonds for your industry or a custom tool for your application, CDT has the right solution for you:

High quality pre-engineered and custom resin bond tools in Diamond and CBN

Ideal for making and sharpening tools for the Plastic, Woodworking, and Paper Knife industries

Perfect for making and refurbishing carbide and HSS Round Tools

Designed for maximum edge retention in Profile Grinding

Our ResiMax products are created using phenolic resin or copper along with other fillers, and embedded Diamond or CBN particles as the abrasives. Once mixed together, the hot-press process creates a variety of useful shapes and sizes which are then cured and machined.

The bonding of our ResiMax grinding tools helps to improve the overall finish of each ground tool. Whether you need polishing, sharpening, light or heavy grinding, our ResiMax products will meet your expectations.

Maximize your Wheel Life with ResiMax

<table>
<thead>
<tr>
<th>GRIT SIZE</th>
<th>EXPECTED FINISH (RMS)</th>
<th>MAXIMUM DEPTH OF CUT PER PASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>32–46</td>
<td>0.001”–0.002”</td>
</tr>
<tr>
<td>80</td>
<td>24–32</td>
<td>0.001”–0.002”</td>
</tr>
<tr>
<td>100</td>
<td>18–24</td>
<td>0.001”–0.002”</td>
</tr>
<tr>
<td>120</td>
<td>16–18</td>
<td>0.001”–0.002”</td>
</tr>
<tr>
<td>150</td>
<td>14–16</td>
<td>0.0007”–0.001”</td>
</tr>
<tr>
<td>180</td>
<td>12–14</td>
<td>0.0007”–0.001”</td>
</tr>
<tr>
<td>220</td>
<td>10–12</td>
<td>0.0005”–0.0007”</td>
</tr>
<tr>
<td>240</td>
<td>8–10</td>
<td>0.0004”–0.0006”</td>
</tr>
<tr>
<td>320</td>
<td>8</td>
<td>0.0004”–0.0006”</td>
</tr>
<tr>
<td>400</td>
<td>6–8</td>
<td>0.0003”–0.0004”</td>
</tr>
</tbody>
</table>

Use this chart as a general guide ONLY. Surface finish is affected by a number of variables, including machine type and condition, type of material, coolant, wheel speed, bond system, etc.
ResiMax Tools offer:

**Excellent Grinding Action**
ResiMax tools have a high grinding efficiency that gets the job done quickly.

**Long Life**
ResiMax is good at self-sharpening for prolonged use before maintenance is necessary.

**Edge Stability**
ResiMax edge retention reduces cycle times for excellent productivity.

**Low Temperatures Under Use**
ResiMax superabrasives have the inherent tendency to maintain low temperatures under use; this lowers the danger of burning an expensive work-piece in the process of grinding or polishing.

**Convenience and Ease of Use**
ResiMax tools are less apt to experience loading, and they dress easily for added convenience.

**Pre-Engineered Bonds**
Available for basic and demanding applications for various industries and optimized for higher performance.

**Custom Formulas for your Application**
Grinding abilities apply to both wet and dry tasks on processing objects such as glass, ceramic, carbide alloys, ferrite, refractories, semi-conductors, and other electrical carbon products.

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### Materials Processed
- Tungsten Carbide
- Ceramics
- Stainless Steel
- HS Steel
- Titanium Nitride
- Zirconia/Aluminum Oxide
- Ferrites
- Powdered Metals
- Sintered Silicon Carbide
- Titanium Graphite Composite

### Applications
- Centerless
- Cylindrical
- Surface
- Creep Feed
- Cutoff
- Roll Grinding
- Tool & Cutter
- Saw & Knife Sharpening
- PCD Grinding
- Surgical Tool Blade Sharpening
Founded in 1973 by Ray Viggiano, Continental Diamond Tool took shape with just 2 employees and 4,500 sq. ft. in New Haven, Indiana. CDT has been providing technically superior precision tooling to a number of industries ever since. After multiple expansions to meet product and customer demand, CDT has set the groundwork with a 180,000 sq. ft. manufacturing facility that will accommodate new product releases and future customer needs. With a motto of "Small Company Values, Large Company Capabilities" CDT has become a worldwide manufacturer of superabrasive grinding wheels and tools. We welcome the opportunity to meet your most critical tooling requirements.

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