For 20 years, DATRON has been developing and supplying the industry’s highest quality and most cutting-edge carbide tools. As manufacturers of high-quality CNC milling and engraving machines, we always view the cutting technology as paramount importance. With thousands of machines installed, the feedback that we get from our customers is strongly considered during the development of tooling for specific applications. Our tools are always geometrically optimized for high-speed machining and are produced to exacting specifications and the highest quality.

The new CVD cutting tools for GRP, CFK, PCB and plastics exceed standard tools in both surface finish and tool life when milling abrasive materials.
Diamond Tools by DATRON
– Custom-made drills and endmills for CFK and GFK

The new CVD cutting tools for GRP, CFK, PCB and plastics exceed standard tools in both surface finish and tool life when milling abrasive materials.

Machining Sample showing advantages of CVD tools!
The carbon-fiber keyboard (shown left) was milled on a DATRON high-speed machining center using a diamond (CVD) tool. The PKD tool increased tool life during this application by as much as 3 times while the CVD Drill increased tool life by up to 25 times!

DATRON CVD Drill
50+ Parts (above) made with this drill

PKD Drill
15 Parts (above) made with this drill

VHM Drill
2 Parts (above) made with this tool

DATRON Diamond tools for CFK/GFK
- VHM-Endmill with up-soldered diamond cut
- With one/two cut and flat front polished section
- Shank without clamping surface

With this specially-developed CVD diamond milling tool high feed rates can be obtained while maintaining extremely long tool life — even when milling CFK/GRP.

<table>
<thead>
<tr>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>S (mm)</th>
<th>Part.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>6.0</td>
<td>50.0</td>
<td>5.0</td>
<td>1</td>
<td>00781203</td>
</tr>
<tr>
<td>4.0</td>
<td>6.0</td>
<td>50.0</td>
<td>6.0</td>
<td>2</td>
<td>00781204</td>
</tr>
<tr>
<td>6.0</td>
<td>6.0</td>
<td>50.0</td>
<td>10.0</td>
<td>2</td>
<td>00781205</td>
</tr>
<tr>
<td>8.0</td>
<td>8.0</td>
<td>50.0</td>
<td>12.0</td>
<td>2</td>
<td>00781206</td>
</tr>
</tbody>
</table>

Time-tested DATRON Technology
– Get the advantage. Get your money’s worth.

Profit from our Know-how:
With thousands of machines installed worldwide, and over 20 years of designing tooling for customer-specific applications in a wide range of industries, you can benefit for our experience and use DATRON advancements and technology as your competitive advantage.

The information in this brochure includes current descriptions or performance features which are subject to change due to further development of the products. The descriptions and performance features are binding only if they are expressly agreed upon in writing at the time of contract.