Case Study: GDI

Grinding competence for high level industrial applications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>IGF 125° 2.85x4.3/M2.5</th>
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</thead>
<tbody>
<tr>
<td>Specification</td>
<td>835VX-AST1615</td>
</tr>
<tr>
<td>Material</td>
<td>AISI 440</td>
</tr>
<tr>
<td>Stock removal</td>
<td>0.04mm / 0.1 mm</td>
</tr>
<tr>
<td>Dressing interval</td>
<td>80 / 160 pcs.</td>
</tr>
<tr>
<td>Surface quality</td>
<td>Ra 0.08 / Rz 0.5 Ra 0.1 / Rz 0.63</td>
</tr>
</tbody>
</table>

Hollow shaft

Internal cylindrical grinding in CBN

and diamond

Grinding wheels in CBN and diamond

Honing and finishing tools made of corundum and silicon carbide

Top class diamond dressing tools of highly advanced technology

Precision grinding tools for the semiconductor industry

Internal cylindrical grinding in corundum and silicon carbide

Double disk fine grinding wheels in CBN and diamond

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When it comes to the highest demands on precision and quality for internal cylindrical grinding, CBN & Diamond grinding tools from Meister Abrasives and Schmeier are the key to success.

Technologies:
- Vit (CBN & DIA) - High cutting volumes and high wear resistance for best economy
- HPC (CBN) - Very high pore volume and low cutting forces for maximum cutting performance
- HPB (CBN) - Optimized coolant transport and very high wear resistance for higher productivity
- HPL (CBN) - Excellent grain integration and a friction-reduced bonding system for a cooler cut
- UM (CBN) - Uniform pore distribution enables extremely homogeneous surfaces with improved chip removal and high dressing intervals
- Ceramet (DIA) - Hybrid bond with high wear resistance and exceptional cutting performance for demanding hard material processing
- VM (CBN & DIA) - CBN and Diamond micro grains for precise geometries and best surface qualities

Your benefits:
- Customer specific Solutions
- Self-sharpening
- High service life
- High wear resistance
- Extreme cutting performance

For more information: www.meister-abrasives.com/technology