Cristone® Bristle Brushes use a nano structure, helping to keep its form while working, providing stable grinding performance. Its ceramic abrasive bristles provide fine surface polishing and high performance deburring of precision parts. The bristle greatly reduces process time reducing your cost and increasing production efficiency.

**APPLICATIONS**
- Cross Hole Deburring
- Surface Finishing
- Polishing

**PARTS**
- Aircraft
- Engine Blocks
- Medical Devices

**MATERIALS**
- Hardened Steels
- Carbon Steels
- Prehardened Steels
- Alloy Steels
- Brass
- Aluminum Alloy
**Writing Brush**

Used to deburr ribbed or three-dimensional small parts.

![Writing Brush Image]

<table>
<thead>
<tr>
<th>BRUSH LENGTH (A)</th>
<th>BRISTLE DIAMETER (B)</th>
<th>OVERALL LENGTH (C)</th>
<th>SHANK DIAMETER (D)</th>
<th>MAXIMUM RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>40mm</td>
<td>6, 9, 16mm</td>
<td>120mm</td>
<td>5, 6, 10mm</td>
<td>14,000/min</td>
</tr>
</tbody>
</table>

**Cross Hole Brushes**

**Short Stem**

Used for polishing the interior walls of precision parts.

![Short Stem Image]

<table>
<thead>
<tr>
<th>BRUSH LENGTH (A)</th>
<th>BRISTLE DIAMETER (B)</th>
<th>OVERALL LENGTH (C)</th>
<th>SHANK DIAMETER (D)</th>
<th>MAXIMUM RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20mm</td>
<td>1, 2, 3mm</td>
<td>60mm</td>
<td>3mm</td>
<td>14,000/min</td>
</tr>
</tbody>
</table>

**Long Stem**

Excellent for cross-hole deburring. Removes burrs on both the side and bottom of the radius in a cross-hole.

![Long Stem Image]

<table>
<thead>
<tr>
<th>BRUSH LENGTH (A)</th>
<th>BRISTLE DIAMETER (B)</th>
<th>OVERALL LENGTH (C)</th>
<th>SHANK DIAMETER (D)</th>
<th>MAXIMUM RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>3, 5, 7mm</td>
<td>120mm</td>
<td>3, 6mm</td>
<td>14,000/min</td>
</tr>
</tbody>
</table>

**Processing Attention (Cross Hole Brush)**

- Do not rotate brush until the cross hole burr is reached.
- Adjust the rotation of the bristle to touch the burr. Process forward and back.
- Do not rotate the brush outside of the hole to prevent damage.

![Processing Attention Images]
**End Brush**

Excellent for aggressive finishing and tool mark removal.

- Fiber brush wears away with use, becoming less flexible resulting in higher grinding force.
- Adjust bristle length with holder in order to achieve flexibility.

<table>
<thead>
<tr>
<th>BRUSH LENGTH (A)</th>
<th>BRISTLE DIAMETER (B)</th>
<th>OVERALL LENGTH (C)</th>
<th>SHANK DIAMETER (D)</th>
<th>MAXIMUM RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20mm</td>
<td>5mm</td>
<td>49mm</td>
<td>3mm</td>
<td>8,000/min</td>
</tr>
</tbody>
</table>

**Cup Brush and Holder**

Optimal Performance for surface finishing, fine polishing of precision parts and uneven edges.

Mount the brush tool on the machine and use within the RPM limit.

- Fiber brush wears away with use, becoming less flexible resulting in higher grinding force.
- Adjust bristle length with holder in order to achieve flexibility.

<table>
<thead>
<tr>
<th>BRUSH LENGTH (A)</th>
<th>BRISTLE DIAMETER (B)</th>
<th>SHANK DIAMETER (C)</th>
<th>MAXIMUM RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>30, 50, 75mm</td>
<td>6, 15, 25, 40, 60, 100mm</td>
<td>6, 8, 9, 12, 13, 17mm</td>
<td>12,000/min</td>
</tr>
</tbody>
</table>

**Fiber Brush Tool Point of Contact**

Use the tip of the fiber brush only.

Fiber brush has grinding force at the tip.

Fiber brush does not have grinding force at the side.

**Removing Burr After Face Mill Process**

After the precision machining process, the burrs will occur on the edge of the part.

After brushing in one direction, the burrs will occur on edge of part.

Remove burrs by reversing the brush direction opposite of cutting tool. Rotate fiber brushes in one direction or which will directly face the burrs.

<table>
<thead>
<tr>
<th>GRIT</th>
<th>150</th>
<th>200</th>
<th>400</th>
<th>600</th>
<th>800</th>
<th>1000</th>
<th>1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOR</td>
<td>Green</td>
<td>Pink</td>
<td>Violet</td>
<td>Orange</td>
<td>Blue</td>
<td>White</td>
<td>Red</td>
</tr>
</tbody>
</table>

The burr returns inside.

The burr returns inside.

The burr returns inside.
Known for our vast selection of brush products, resourceful custom-design capabilities and exceptional customer service, Tanis Brush is an industry leader in brush manufacturing.

Since 1987, our team has remained committed to providing our customers with total customer satisfaction throughout the entire customer buying experience.

Our ISO 9001: 2015 and ISO 13485: 2016 certifications bring excellence into our daily work environment and encourages us to persistently question and improve our processes, fostering a culture of quality and continuous improvement.

Always use appropriate eye, face, hand and body protection when using a brush.
Do not operate brushes above the maximum RPM speeds.
Bristles will break if rotated outside of cross holes.
Use of the bristles may generate dust or powder. The use of a dust collector is recommended.
Clean all equipment after use.