Kashifuji

Gear Chamfering / Deburring Machine

Light in the Working of Gear Chamfering

Gear Chamfering KD1 is a 1977 model, and we have been using it in many places. In recent years, machinery manufacturers are often required to produce finished parts for various industries. This work is an important and difficult task. KD1, with its high-speed, high-efficiency performance, is a great advantage in improving the efficiency of this work. We have continued its production now.

Fast & Efficient Gear Chamfering / Deburring

The KD-1 Gear Chamfering / Deburring Machine has earned a reputation for reliability from our customers since it was introduced in 1977. Fast & efficient chamfering / deburring has become an important manufacturing process for the quality-conscious manufacturer. The long-selling KD-1 adds speed, simplicity and reliability to the gear chamfering / deburring process.

KD1の特長

Features

- Gear chamfering / deburring
- High-speed operation (300 teeth / min. @ 60Hz)
- Helical, spur, multi-step, and shaft gears can be chamfered / deburred.

High-speed design of the cutter

The cutter design is a function of gear tooth specifications. (Module, helix angle, tooth number, profile shift etc.) A cutter can usually be shared by gears with similar specifications depending on the chamfering allowance.

Example of spur gear

Cutter motion

株式会社カシフジ
仕様 Specifications

<table>
<thead>
<tr>
<th>項目</th>
<th>単位</th>
<th>値</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. workpiece diameter</td>
<td>mm</td>
<td>30〜200</td>
</tr>
<tr>
<td>Max. workpiece module</td>
<td>mm</td>
<td>1.5〜5.0</td>
</tr>
<tr>
<td>Min. number of teeth on workpiece</td>
<td>10〜</td>
<td></td>
</tr>
<tr>
<td>Range of HA allowing both flanks of tooth to be machined</td>
<td>degree</td>
<td>0〜25</td>
</tr>
<tr>
<td>Range of HA when only the acute angle can be machined</td>
<td>degree</td>
<td>25〜45</td>
</tr>
<tr>
<td>Deburr speed (50/60Hz)</td>
<td>Z/min</td>
<td>250〜300</td>
</tr>
<tr>
<td>Total power</td>
<td>kVA</td>
<td>1.2</td>
</tr>
<tr>
<td>Main motor (with brake)</td>
<td>kW</td>
<td>0.75</td>
</tr>
<tr>
<td>Floor space, length X width X height</td>
<td>mm</td>
<td>965X562X1130</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>400</td>
</tr>
</tbody>
</table>

機械外観寸法図 Machine Dimensions

正面上面図 Front view

Chip box

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仕様 Specifications

<table>
<thead>
<tr>
<th>項目</th>
<th>単位</th>
<th>上下限</th>
</tr>
</thead>
<tbody>
<tr>
<td>最大工作物直径</td>
<td>mm</td>
<td>30〜200</td>
</tr>
<tr>
<td>最大工作物模数</td>
<td>1.5〜5.0</td>
<td></td>
</tr>
<tr>
<td>最小歯数</td>
<td>1〜10</td>
<td></td>
</tr>
<tr>
<td>被削範囲 (歯面を含む)</td>
<td>degree</td>
<td>0〜25</td>
</tr>
<tr>
<td>被削範囲 (歯面を含む)</td>
<td>degree</td>
<td>20〜45</td>
</tr>
<tr>
<td>深さ削り速度</td>
<td>Z/min</td>
<td>250〜300</td>
</tr>
<tr>
<td>総電力</td>
<td>kVA</td>
<td>1.2</td>
</tr>
<tr>
<td>メインモータ (ブレーキ付)</td>
<td>kW</td>
<td>0.75</td>
</tr>
<tr>
<td>床面積, 長さ/幅/高さ</td>
<td>mm</td>
<td>965×562×1130</td>
</tr>
<tr>
<td>本機重量</td>
<td>kg</td>
<td>400</td>
</tr>
</tbody>
</table>

機械外観寸法図 Machine Dimensions

正面図 Front view

上図 Top view

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表彰内容は機械の改良等に伴うお断りなく変更することがあります。Contents of this brochure are subject to change due to machine developments.

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