PM 2 / PMD 2 grinding machines for machining crankshafts up to 700 mm in length. These machines combine high-tech grinding, accuracy and reliability with ease of operation and high performance. They are the optimal grinding machines for modern crankshaft production.

+ The PM 2 is equipped with a single headstock
+ The PMD 2 is equipped with two headstocks
Cost-Efficient Part Production

Standard features include 30 kW motor spindles for the grinding wheels and a workpiece head with a direct drive unit as well as a stable tailstock and a linear motor for the X-axis. Emulsion or oil can be used as cutting fluid for the grinding process. Thanks to the integrated oscillating stroke technology, lifting and center bearings can be ground in a single clamping operation.

Benefits of the PM 2 / PMD 2

+ In-process diameter measurement for maximum precision
+ Roundness testing in the machine
+ Linear motor and hydrostatic guideway in X-axis.
+ Direct workpiece drive via motor spindle
+ Automatic workpiece clamping system via hydraulic clamping chuck
+ Automatic, self-centering steady rest
+ Quick radial positioning via hydraulic prisms
+ CBN grinding wheels

Available Options:

+ Electronic axial / radial alignment
+ B-axis for additional grinding spindles / wheels

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Workpiece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grinding length / workpiece length</td>
</tr>
<tr>
<td>Workpiece weight</td>
</tr>
<tr>
<td>Oscillation circuit</td>
</tr>
<tr>
<td>Rapid-traverse rate X- / Z-axis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grinding headstock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel diameter</td>
</tr>
<tr>
<td>Spindle capacity</td>
</tr>
<tr>
<td>Peripheral surface speed</td>
</tr>
<tr>
<td>X-axis</td>
</tr>
</tbody>
</table>

Control system

SIEMENS SINUMERIK 840 D solution line
At home all over the world.

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