The new parallel spindle drive shaft with an independent microscope drive shaft make simultaneous cutting and alignment operations possible. This combines with PS300’s twin cutting stage mechanisms to bring unparalleled performance!

**Twin Cutting-stage Mechanisms and Independent Microscope Drive Mechanism**

The new parallel spindle drive shaft with an independent microscope drive shaft make simultaneous cutting and alignment operations possible. This combines with PS300’s twin cutting stage mechanisms to bring unparalleled performance!

**Large Cutting Area**

PS300’s large cutting area ensures smooth scrap processing and easy maintenance.
The optical system comes with a wider visual field and higher, brighter resolution - greatly assisting image processing during operations such as alignment. The results - reduced alignment error and shorter alignment time (Patent pending).

The large touch screen provides enhanced visibility and easier operation.

The USB interface makes system upgrading fast and easy and streamlines data storage from the device.

### Main Options
- Macro visual field optical system
- SECS function
- Transformer supporting multiple power supplies
- Resistivity and flow volume monitoring
- High-capacity vacuum pump

### PS300 Specifications

<table>
<thead>
<tr>
<th>Items</th>
<th>PS300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable work size (Max)</td>
<td>300×100 mm 215 mm</td>
</tr>
<tr>
<td>Saw-jig size (Max)</td>
<td>Ø 332 mm</td>
</tr>
<tr>
<td>Spindle type</td>
<td>Air bearing type</td>
</tr>
<tr>
<td>Spindle output power</td>
<td>1.8kW</td>
</tr>
<tr>
<td>Rotation speed (Max)</td>
<td>60 min⁻¹</td>
</tr>
<tr>
<td>Blade size</td>
<td>2 inch (3 inch option)</td>
</tr>
<tr>
<td>X-axis cutting speed</td>
<td>0.1 - 600 mm/sec (X1,X2,both axes)</td>
</tr>
<tr>
<td>Y1,Y2,and Microscope-axis stroke</td>
<td>300 mm(Y1,Y2,both axes)</td>
</tr>
<tr>
<td>Y1,Y2,and Microscope-axis positioning</td>
<td>0.005/300 mm</td>
</tr>
<tr>
<td>Z1, Z2, and Focus-axis positioning accuracy</td>
<td>0.003/1 mm</td>
</tr>
<tr>
<td>Theta-axis rotation range</td>
<td>186°</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC200 - 220V 3-phase 50/60 Hz</td>
</tr>
<tr>
<td>Air supply</td>
<td>0.55 - 0.7 MPa 390 L/min</td>
</tr>
<tr>
<td>D.I. water supply</td>
<td>0.4 - 0.5 MPa 12 L/min</td>
</tr>
<tr>
<td>Spindle cooling water</td>
<td>0.3 - 0.5 MPa 3 L/min</td>
</tr>
<tr>
<td>Machine size (W×D×H mm)</td>
<td>1,600×1,680×1,780 mm</td>
</tr>
</tbody>
</table>

### USB Interface
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      - Fax: +1-208-429-6555

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      - Fax: +49(0)89-546788-10

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