Product information:

**THERA GANTRY**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>THERA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table length - mm</td>
<td>3,500 - 4,500 - ... 20,500 ...</td>
</tr>
<tr>
<td>Table width - mm</td>
<td>2,000 (3,000-4,000)*</td>
</tr>
<tr>
<td>Distance between columns - mm</td>
<td>3,000 (3,500 - 4,000 - 4,500-5,000)*</td>
</tr>
<tr>
<td>Longitudinal travel - mm</td>
<td>3,000 - 4,000 - ... 20,000 ...</td>
</tr>
<tr>
<td>Cross travel - mm</td>
<td>3,750 (4,250 - 4,750 - 5,250 - 5,750)*</td>
</tr>
<tr>
<td>Vertical travel - mm</td>
<td>1,250 (1,500 - 1,750 - 2,000)*</td>
</tr>
<tr>
<td>Max. distance from table to spindle nose - mm</td>
<td>1,740 (1,990)*</td>
</tr>
<tr>
<td>Working feed (longitudinal axis) - mm/min</td>
<td>up to 15,000</td>
</tr>
<tr>
<td>Working feed (cross and vertical axis) - mm/min</td>
<td>up to 45,000</td>
</tr>
<tr>
<td>Rapid feed (longitudinal axis) - mm/min</td>
<td>20,000</td>
</tr>
<tr>
<td>Rapid feed (cross and vertical axis) - mm/min</td>
<td>50,000</td>
</tr>
<tr>
<td>Drives:</td>
<td></td>
</tr>
<tr>
<td>. Longitudinal axis</td>
<td>two motors rack and pinion</td>
</tr>
<tr>
<td>. Cross axis</td>
<td>two motors rack and pinion</td>
</tr>
<tr>
<td>. Vertical axis</td>
<td>2 ball screws</td>
</tr>
<tr>
<td>Power - kW</td>
<td>43 (60)*</td>
</tr>
<tr>
<td>Speed of the spindle head - min-1</td>
<td>6,000</td>
</tr>
<tr>
<td>. Positioning accuracy - mm</td>
<td>0,008/4000 mm</td>
</tr>
<tr>
<td>. Repeatability accuracy - mm</td>
<td>0,005/4000 mm</td>
</tr>
<tr>
<td>Tool magazine</td>
<td>30 (40-60-80-120)*</td>
</tr>
<tr>
<td>Allowed weight on the table - kg/m²</td>
<td>15,000</td>
</tr>
<tr>
<td>Approx. net weight - kg</td>
<td>30,000 - 150,000</td>
</tr>
</tbody>
</table>

*Optional* *"*

### ACCESSORIES

<table>
<thead>
<tr>
<th>HEADS</th>
<th>THERA</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° head 360,000 positions, 0,001°</td>
<td>*</td>
</tr>
<tr>
<td>45° automatic head 360 x 1° - 144 x 2,5°</td>
<td>○</td>
</tr>
</tbody>
</table>

*Optional* *"*
<table>
<thead>
<tr>
<th>Feature</th>
<th>THERA</th>
</tr>
</thead>
<tbody>
<tr>
<td>30° head, positioning / continuous rotation</td>
<td>○</td>
</tr>
<tr>
<td>30° head with electrospindle</td>
<td>○</td>
</tr>
<tr>
<td>Direct Outlet head</td>
<td>○</td>
</tr>
<tr>
<td>&quot;L&quot; shaped head</td>
<td>○</td>
</tr>
<tr>
<td>Change of heads</td>
<td>•</td>
</tr>
<tr>
<td>Chip Conveyor</td>
<td>•</td>
</tr>
<tr>
<td>Coolant tank 22 + 5 bar</td>
<td>•</td>
</tr>
</tbody>
</table>

- Standard  ○ Optional  — No available

**HEAD IMAGES**

- 45º automatic head
  - 360,000 positions, 0.001º
- Direct Outlet head
- 30º head, greater accessibility to the interior of the parts
- "L" shaped head
- Extended "L" shaped head
- 30º head with electrospindle

**RELATED APPLICATIONS**

- BOGIE
  - RAILWAY
- CAPITAL GOODS
  - LARGE COMPONENTS

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