Precision meets Motion

EWS . SpinJet

HIGH SPEED JET SPINDLE ANGLE-HEAD
The coolant-powered high speed Jet Spindle in an Angle Head 300 configuration gives you...

Advantages

All the advantages of high speed machining + the increased flexibility of an angle-head alignment:

- Greater accessibility in hard to reach places
- Extended capabilities for turret mount lathe machines
- The Jet Spindle's high rigidity and low run-out

An angle-head configuration significantly cuts production time by enabling both horizontal and angular milling and drilling with no need to reposition the work piece.

Special Feature

The high speed Jet Spindle is equipped with a real-time, wireless RPM monitor and display system for these exclusive benefits:

- Optimum performance and constant speed
- Alerts to avoid tool wear or spindle overload
- Pre-programmable parameters
- RPM tracking and display for multiple Jet Spindles

High Speed Jet Spindle + Small Cutting Tools + Rego-Fix Clamping
Ideal for producing accurate parts for demanding industries:

All the advantages of high speed machining + the increased flexibility of an angle-head alignment:
**Recommended Operating Conditions**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant pressure [bar]</td>
<td>20 - 70</td>
</tr>
<tr>
<td>Rotational spindle speed [Krpm]</td>
<td>25 - 45</td>
</tr>
<tr>
<td>Optimum cutting tool diameter [mm] drilling</td>
<td>0.5 - 3.0</td>
</tr>
<tr>
<td>Optimum cutting tool diameter [mm] milling</td>
<td>0.3 - 4.0</td>
</tr>
<tr>
<td>Max output power [Kw]</td>
<td>1.5</td>
</tr>
<tr>
<td>Adaptor</td>
<td>BMT55</td>
</tr>
<tr>
<td>Coolant flow rate [l/min]</td>
<td>16</td>
</tr>
</tbody>
</table>

- Coolant pressure is measured from the spindle inlet
- Rotational spindle speed is based on coolant pressure flow rate and may vary up to 7%

- Live tool mountable on the lathe turret – can increase cutting speed capability up to 10 times.
- Coolant powered spindle operation – no external feed lines necessary!

**Schematic**

*Image of a schematic representation of the high speed jet spindle angle-head.*