SURFACE GRINDING MACHINES Z-SERIES

Features
• Sturdy, cast iron execution of all machine components
• High machine weight for maximum rigidity
• Preloaded precision linear guideways in the vertical- and cross axis (Bosch Rexroth) for highest accuracy
• Scraped and turcite coated slideways in the longitudinal axis provide excellent vibration absorption and a high-quality grinding surface pattern.
• Hydraulic longitudinal motion with return cooling unit to achieve good surfaces
• Electro-mechanic cross- and vertical motion
• Measuring systems in vertical axis (Heidenhain) for precise positioning
• Maintenance-free paper band filtration unit with up to 500 l tank and 2-bar pressure pump for effective cooling and rinsing
• Integrated rinsing channel
• Magnetic separator for prefiltration of the paper band filtration unit
• Infinitely variable grinding spindle motor
• Machine lamp
• Table-mounted dressing device for high precision and surface finish
• Electro-permanent magnetic chuck [SAV] with integrated pole changing unit and traction regulation
• Partial encapsulation of the machine with sliding door and a service door
• Effective splash guard and an excellent accessibility
• Preparation of the machine for installation of a coolant mist exhaust unit

Machine type

<table>
<thead>
<tr>
<th>Machine</th>
<th>Z 24</th>
<th>Z 48</th>
<th>Z 510</th>
<th>Z 612</th>
<th>Z 715</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grind. range mm</td>
<td>400 x 250</td>
<td>800 x 500</td>
<td>1,000 x 600</td>
<td>1,200 x 700</td>
<td>1,500 x 800</td>
</tr>
<tr>
<td>Cross travel mm</td>
<td>220</td>
<td>450</td>
<td>550</td>
<td>650</td>
<td>750</td>
</tr>
<tr>
<td>Longitudinal travel mm</td>
<td>600</td>
<td>1,200</td>
<td>1,400</td>
<td>1,600</td>
<td>1,900</td>
</tr>
<tr>
<td>Distance table to spindle centre mm</td>
<td>540</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Size of magnetic chuck mm</td>
<td>400 x 200</td>
<td>800 x 400</td>
<td>1,000 x 500</td>
<td>1,200 x 600</td>
<td>1,500 x 700</td>
</tr>
<tr>
<td>Table load incl. magnetic chuck kg</td>
<td>250</td>
<td>700</td>
<td>1,000</td>
<td>1,300</td>
<td>1,600</td>
</tr>
<tr>
<td>Infeed longitudinal axis mm/min</td>
<td>1,000 - 30,000</td>
<td>1,000 - 30,000</td>
<td>1,000 - 30,000</td>
<td>1,000 - 30,000</td>
<td>1,000 - 30,000</td>
</tr>
<tr>
<td>Infeed cross axis mm/min</td>
<td>0.01 - 2,000</td>
<td>0.01 - 2,000</td>
<td>0.01 - 2,000</td>
<td>0.01 - 2,000</td>
<td>0.01 - 2,000</td>
</tr>
<tr>
<td>Infeed vertical axis mm/min</td>
<td>0.001 - 1,500</td>
<td>0.001 - 1,500</td>
<td>0.001 - 1,500</td>
<td>0.001 - 1,500</td>
<td>0.001 - 1,500</td>
</tr>
<tr>
<td>Grinding wheel dimensions mm</td>
<td>250 x 38 x 50.8</td>
<td>400 x 50 x 127</td>
<td>400 x 80 x 127</td>
<td>400 x 80 x 127</td>
<td>400 x 80 x 127</td>
</tr>
<tr>
<td>Grinding spindle drive kW</td>
<td>3.7</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Control range grinding spindle motor U/min</td>
<td>1,000 - 4,500</td>
<td>1,000 - 3,000</td>
<td>1,000 - 3,000</td>
<td>1,000 - 3,000</td>
<td>1,000 - 3,000</td>
</tr>
<tr>
<td>Machine dimension [L x W x H(max)] mm</td>
<td>3,050 x 2,050 x 2,300</td>
<td>4,350 x 2,420 x 2,380</td>
<td>4,800 x 2,400 x 2,500</td>
<td>5,160 x 2,720 x 2,380</td>
<td>5,750 x 2,850 x 2,650</td>
</tr>
<tr>
<td>Machine weight (approx.) kg</td>
<td>2,900</td>
<td>6,660</td>
<td>7,500</td>
<td>8,340</td>
<td>9,300</td>
</tr>
</tbody>
</table>

Control system features
• Very comfortable and easy to operate Z-control
• Automatic vertical infeed with dressing amount compensation
• Fully automatic grinding cycle with dressing cycles
• Easy operation via touchscreen
• Large and clear colour screen (10.4”)
• Electronic handwheel, usable in vertical- and cross axis
SCHLEIFMASCHINEN
Ziersch GmbH
Am Vogelherd 60
98693 Ilmenau, Germany
📞 +49 3677 76132-0
www.ziersch.com
info@ziersch.com

FERTIGUNSTECHNIK
Ziersch Fertigungstechnik GmbH & Co. KG
Am Vogelherd 26
98693 Ilmenau, Germany
📞 +49 3677 6402-0
www.ziersch.com
info@ziersch-fertigungstechnik.com