V line
Precision Honing Machine
Vario Honing Machine V line.
Wide range of applications on a small footprint.
Premium Technology with 2 or 3 Honing Stations.
Flexible machine concept for high-volume production.

**Highlights**
- Perfect for medium to very large production volumes
- Compact design with little space requirement
- Machine-integrated control cabinet
- Robust rotary table workpiece transport
- Modular configuration with 2 or 3 honing spindles
- KADIA Smart Dynamic honing technology
- Measuring stations with up to 16 air gaging levels and optional air scanning function
- Optional stations: Pre-check, alignment, brush deburring with tool changer, blow-off ...
- Possible match honing of bore to piston
- Various automation solutions are applicable

**Technical data KADIA V line**

<table>
<thead>
<tr>
<th>Basic machine</th>
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<tbody>
<tr>
<td>Dimensions [WxDxH]</td>
<td>1,790 x 2,705 x 3,016 mm</td>
</tr>
<tr>
<td>Weight [max.]</td>
<td>8,000 kg</td>
</tr>
<tr>
<td>Color</td>
<td>RAL 7035 with RAL 7016</td>
</tr>
<tr>
<td>Noise emission(1)</td>
<td>&lt; 72 dB(A)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Honing spindle</th>
<th>LH2/25</th>
<th>LH3/40</th>
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<tbody>
<tr>
<td>Stroke length(2) [max.]</td>
<td>250 mm</td>
<td>400 mm</td>
</tr>
<tr>
<td>Stroke rate [max.]</td>
<td>50 m/min</td>
<td>50 m/min</td>
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<tr>
<td>Spindeldrehzahl(3) [max.]</td>
<td>5,000 rpm</td>
<td>3,000 rpm</td>
</tr>
<tr>
<td>Material removal rate(4) [max.]</td>
<td>18 mm³/s</td>
<td>30 mm³/s</td>
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(1) Dependent on the machining process  
(2) Possible special stroke length: LH2/40 with max. 400 mm  
(3) Spindle speed LH2 without internal coolant supply: max. 8,000 rpm  
(4) Rough machining with 80% utilization of honing spindle
Smart Dynamic Honing Technology.

HMC100 – intelligent and intuitive
High-performance honing control
• State-of-the-art honing programs
• Integrated process force measurement
• User-friendly 19” display
• Latest hardware generation
• Flexible for future options

LH2 / LH3 – fast and productive
Lean high-speed honing spindles (pat.)
• Compact and modular design
• Linear drive with 5 year warranty
• Very high material removal rate
• Ultra-precise spindle run-out
• Internal coolant supply