L line
Precision honing machine
Long-stroke honing machine L line.
Intelligent honing for short cycle times and fine surfaces.
High performance with 1 or 2 honing stations.
Compact vertical machine for series production of long bores.

**Highlights**
- Perfect for medium to large production volumes
- Compact design with little space requirement
- Machine-integrated control cabinet
- Comfortable two-level workspace
- Rotary table with automatic workpiece clamping
- Modular configuration with 1 or 2 honing spindles
- KADIA Smart Dynamic honing technology
- Honing process with defined stock removal or honing to target diameter
- Optional functions: direct or indirect measurement, blow-off, suction
- Automation solutions are feasible

**Technical data KADIA L line**

<table>
<thead>
<tr>
<th>Basic machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions [WxDxH]</td>
</tr>
<tr>
<td>Weight [max.]</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Noise emission(1)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Honing spindle</th>
<th>LH2/120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stroke length [max.]</td>
<td>1,200 mm</td>
</tr>
<tr>
<td>Stroke speed [max.]</td>
<td>100 m/min</td>
</tr>
<tr>
<td>Spindle speed [max.]</td>
<td>5,000 rpm</td>
</tr>
<tr>
<td>Material removal rate(2) [max.]</td>
<td>18 mm³/s</td>
</tr>
</tbody>
</table>

(1) Dependent on the machining process
(2) 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

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KADIA is certified in compliance with ISO 9001, VDA 6.1 and VDA 6.4