T line
Precision Honing Machine
Transfer Honing Machine T line.
Maximum efficiency for all high-precision applications.
Proven Technology with up to 6 Honing Stations.
Honing and much more - Technological diversity for large-scale production.

**Highlights**
- Perfect for very large production volumes
- Machine-integrated control cabinet
- Workpiece transportation with pallet circulating transfer
- Modular configuration with 2 to 6 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/cross/high-pressure deburring, blow-off ...
- Highly productive twin-cycle processes are feasible
- Possible match honing of bore to piston
- Various automation solutions are applicable

**Technical data KADIA T line**

<table>
<thead>
<tr>
<th>Basic machine</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Dimensions and weight</td>
<td>Dependent on configuration</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>
</tr>
</thead>
<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>
</tr>
<tr>
<td>Spindle speed(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>
</tr>
</tbody>
</table>

(1) Dependent on the machining process  
(2) Possible special stroke lengths: 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

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