U line
Precision Honing Machine
Universal Honing Machine U line.
Economical fine machining at the highest level.
Top Class Technology with 1 or 2 Honing Stations.
The compact all-rounder for all production batch sizes.

Highlights
- Perfect for medium to large production volume
- Very compact design with little space requirement
- Machine-integrated electrical cabinet
- Robust rotary table workpiece transportation
- Modular station configuration with 1 or 2 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 ...
- Various automation solutions possible

Technical data KADIA U line

<table>
<thead>
<tr>
<th>Basic machine</th>
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<tbody>
<tr>
<td><strong>Dimensions</strong> [WxDxH]</td>
</tr>
<tr>
<td><strong>Weight</strong> [max.]</td>
</tr>
<tr>
<td><strong>Color</strong></td>
</tr>
<tr>
<td><strong>Noise emission</strong>(¹)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Honing spindle</th>
<th>LH2/25</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stroke length</strong>(³) [max.]</td>
<td>250 mm</td>
</tr>
<tr>
<td><strong>Stroke speed</strong> [max.]</td>
<td>50 m/min</td>
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<tr>
<td><strong>Spindle speed</strong>(⁴) [max.]</td>
<td>5,000 rpm</td>
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<tr>
<td><strong>Material removal rate</strong>(⁶) [max.]</td>
<td>18 mm³/s</td>
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</tbody>
</table>

(¹) Dependent on the machining process
(²) Special stroke length is possible: LH2/40 with max. 400 mm
(³) Spindle speed without internal coolant supply: max. 8,000 rpm
(⁴) Rough machining with 80% utilization of honing spindle
(⁶) 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