

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

Basic machine

Dimensions [WxDxH]	1,500 x 2,409 x 2,523 mm
Weight [max.]	3,500 kg
Color	RAL 7035 with RAL 7016
Noise emission ⁽¹⁾	< 72 dB(A)

Honing spindle

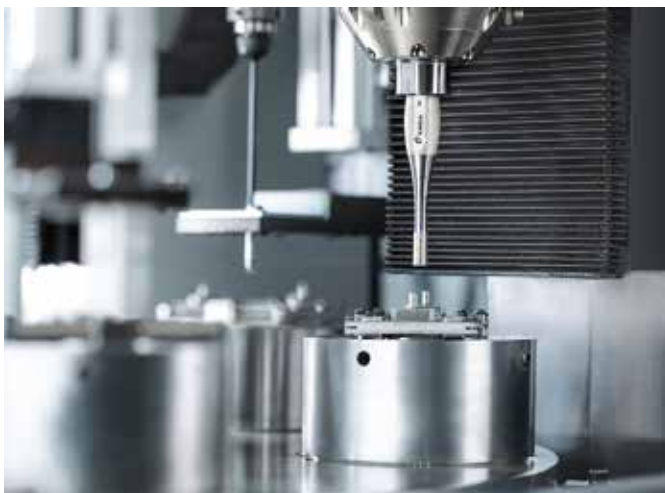
Stroke length ⁽²⁾ [max.]	250 mm
Stroke speed [max.]	50 m/min
Spindle speed ⁽³⁾ [max.]	5,000 rpm
Material removal rate ⁽⁴⁾ [max.]	18 mm ³ /s

⁽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



Smart Dynamic Honing Technology.

Less complexity. More efficiency.



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