

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

Basic machine

Dimensions [WxDxH]	1,790 x 2,705 x 3,016 mm	
Weight [max.]	8,000 kg	
Color	RAL 7035 with RAL 7016	
Noise emission ⁽¹⁾	< 72 dB(A)	

Honing spindle

	LH2/25	LH3/40
Stroke length ⁽²⁾ [max.]	250 mm	400 mm
Stroke rate [max.]	50 m/min	50 m/min
Spindeldrehzahl ⁽³⁾ [max.]	5,000 rpm	3,000 rpm
Material removal rate ⁽⁴⁾ [max.]	18 mm ³ /s	30 mm ³ /s

⁽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.

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