# 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

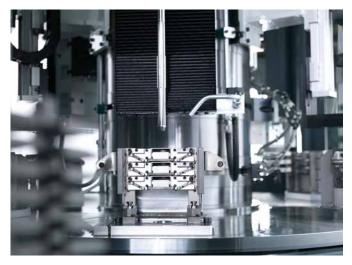
#### Technical data KADIA V line

#### Basic machine

Honing spindle	<b>LH2</b> /25 <b>LH3</b> /40	
Noise emission <sup>(1)</sup>	< 72 dB(A)	
Color	RAL 7035 with RAL 7016	
Weight [max.]	8,000 kg	
Dimensions [WxDxH]	1,790 x 2,705 x 3,016 mm	
Datie		

Honing spindle	<b>LH2</b> /25	<b>LH3/</b> 40
Stroke length <sup>(2)</sup> [max.]	250 mm	400 mm
Stroke rate [max.]	50 m/min	50 m/min
Spindeldrehzahl <sup>(3)</sup> [max.]	5,000 rpm	3,000 rpm
Material removal rate <sup>(4)</sup> [max.]	18 mm³/s	30 mm³/s

<sup>(1)</sup> Dependent on the machining process





 $<sup>^{\</sup>mbox{\tiny (2)}}$  Possible special stroke length: LH2/40 with max. 400 mm

<sup>(3)</sup> Spindle speed LH2 without internal coolant supply: max. 8,000 rpm

<sup>(4)</sup> 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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