

# E line Precision Honing Machine



# Eco Honing Machine E line.

The most cost-effective solution for high-precision honing.



# Premium Honing Technology with 1 Honing Station.

All-purpose ultra-compact honing machine: from prototype to series production.

## Highlights

- Perfect for small to medium production volumes
- Minimum space requirement with possible installation close to the wall
- Machine-integrated control cabinet
- Optional: Machine-integrated coolant and extraction system
- Fixed table or rotary table workpiece transport
- Modular station configuration with 1 honing spindle
- KADIA Smart Dynamic honing technology
- Optional: Measuring station with up to 16 air gaging levels and air scanning function
- Automation solutions are feasible

## Technical data KADIA E line

### Basic machine

Dimensions [WxDxH]	1,302 x 1,803 x 2,535 mm
Weight [max.]	3,200 kg
Color	RAL 7035 with RAL 7016
Noise emission <sup>(1)</sup>	< 72 dB(A)

### Honing spindle

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

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

<sup>(2)</sup> Special stroke length is possible: LH2/40 with max. 400 mm

<sup>(3)</sup> Spindle speed 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



## KADIA Produktion GmbH + Co.

Fabrikstr. 2 | 72622 Nürtingen | Germany

[www.kadia.de](http://www.kadia.de)

[info@kadia.de](mailto:info@kadia.de)

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