

X line Precision Honing Machine



FleXible Honing Center X line.

The powerful combination of flexibility and productivity.



2-Spindle Technology with NC-Positioning System.

Gantry machine for series production of multiple bores.

Highlights

- Perfect for large production volumes
- Machine-integrated control cabinet
- Max. workpiece size 600 x 400 x 480 mm [LxWxH]
- Max. workpiece weight 350 kg
- Pallet circulation transfer (patent pending) with machine loading parallel to cycle time
- Highly flexible 3-axis workpiece positioning system
- KADIA Smart Dynamic honing technology
- 2 honing spindles with toggle link or rigid tool holder
- Pneumatic measuring stations with scan function
- Optional stations: Brush deburring with tool changer
- Automation solutions are applicable

Technical data KADIA X line

Basic machine

Dimensions [WxDxH]	3,820 x 3,250 x 3,152 mm
Weight [max.]	12,000 kg
Color	RAL 7035 with RAL 7016
Noise emission ⁽¹⁾	< 72 dB(A)

Honing spindle

Stroke length ⁽²⁾ [max.]	LH3/40 400 mm
Stroke speed [max.]	50 m/min
Spindle speed [max.]	3,000 rpm
Material removal rate ⁽³⁾ [max.]	30 mm ³ /s

⁽¹⁾ Dependent on the machining process

⁽²⁾ Possible special stroke length: LH3/63 with max. 630 mm, machine height: 3,452 mm

⁽³⁾ 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 | D-72622 Nürtingen | Germany

www.kadia.com

info@kadia.com

KADIA is certified in compliance with ISO 9001, ISO 14001, VDA 6.1 and VDA 6.4