

# FH2-505

## 2-Wheel Flat Honing Machine

### Investment benefits:

- Productivity on a small footprint
- Great user friendliness and safety
- All process functions of the tried-and-trusted DLM model series
- Processing of thin and delicate workpieces



### Technical benefits

- Great efficiency thanks to sandwich loading system with loading and unloading tables for safe workpiece flow
- Robust portal design for stability and production assurance
- Wide range of variations for fast and precise process tasks
- Material removal control and in-process control
- Quick and easy working disc change
- Remote maintenance / tele-diagnostics / online support
- Automation capable
- Maximum precision
- Execution with increased corrosion protection available
- High torque



The machine can be equipped with CBN or diamond wheels of diameter Ø534. As an additional version, the machine can also be used as a 2-sided lapping machine with cast iron wheels in combination with lapping fluids. The chassis, featuring a tried-and-trusted portal design, is solid, compact and ergonomic. The rugged design guarantees efficient machining of parts with the highest precision, high levels of material removal and a quality surface finish.

The FH2 series is also available as a 2-sided lapping and polishing machine for processing parts with loose grain. Material is removed on both sides from various workpieces to a thickness tolerance <5 micrometers. The surface roughness Ra is 0.1-0.6 micrometers. The system ensures flatness and parallelism typically around <2 micrometers.

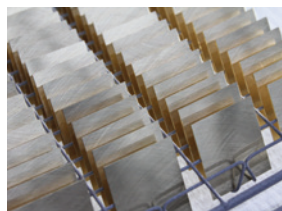
Virtually any metal, plastic, ceramic material as also diamonds and crystals can be economically machined as workpiece material.

Do you have any requirements?

We look forward to you contacting us.

## Technical data

	Flat honing machine FH2-505	Lapping machine FH2-505-L
Outside Ø working wheels	534/234 mm	534/234 mm
Carrier wheel pitch circle Ø for 6 pcs. (other versions available)	180 mm	180 mm
Distance between the working wheels	<320 mm	<280 mm
Max. part height	<50 mm	<30 mm
Drive output without spindle	13 kW	4 kW
Drive output lower spindle	13 kW	4 kW
Drive output center drive	4.0 kW	1.5 kW
Total connected load	54 kW	27 kW
Continuously adjustable speed	Working wheels 0-520 rpm Center drive 0-290 rpm	Working wheels 0-60 rpm Center drive 0-75 rpm
Direction of rotation of all drives	Freely changeable	Freely changeable
Load force without spindle	0-800 daN	0-800 daN
Control voltage	24 V DC	24 V DC
Machine color	RAL 1013 Pearl white RAL 2002 Blood orange	RAL 1013 Pearl white RAL 2002 Blood orange
Pneumatic connection	6 bar	6 bar
Dimensions WxDxH	approx. 2700x1800x2550 mm	approx. 2700x1800x2550 mm
Weight	approx. 4650 kg	approx. 5200 kg



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