

Lapping- and Polishing machine

with horizontal lever and NC/CNC control

HX 800 – with sliding weight or pneumatic lever

Machine Characteristic

- Universal processing machine for diamond grinding, lapping and polishing
- Robust x- and y-axis with servo drive and ball screw
- Stable axis guidance for vibration-free, low-vibration machining operations
- 12" touch display for parameter input and display
- All movements and parameters (e.g. speeds and working pressures) are programmable and storable
- Product database reduces setup times and offers process reliability
- Wide range of parameters enables efficient use of modern tools and operating equipment
- Connection to other systems, e.g. measuring equipment
- All spindles infinitely variable independently of each other
- Stroke, lever arm position and speed are adjustable during the process
- Working pressure adjustment via sliding weight pneumatic lever or alternatively linear servomotor
- One-hand lift-out device for the lever arm(s) (for sliding weight)
- Pneumatic lifting for the lever arm(s) (for pneumatic lever)
- Spindle lock(s)
- stainless steel boiler
- Polishing agent distributor



Options

- Working pressure indicator
- Lever pull-out indicator

Technical Data

	HX 800
Number of spindle	1
Basin size in mm	700 (angular)
Spindle speed in min⁻¹	e.g. 0 – 200 / 0 - 300
Distance spindle winding surface - Center lever arm in mm	305
Travelling distance	X = 600 (+/- 300); Y = 400 (+/- 200)
Axis speed in mm/min	15000
Working pressure in N	
Lever relieved	0
Sliding weight	50 - 120
Pneumatic lever light version	0 - 670
Pneumatic lever heavy version	0 – 1700
Linear servo motor	0 - 800
Main spindle connection thread	M39 DIN 58725
Power requirement in kW	7,0
Ball pin	Ø 18 mm / M16
Weight in kg	1697
Dimensions (WxDxH) in mm	1800 x 1750 x 2460
Working height	1020
Paint finish (standard)	Light grey RAL 7035

Tools and accessories can be found in our current catalogue or on request.

