Lapping- and Polishing machine

with horizontal arm and NC/CNC-control

HX 500 – with sliding weight and pneumatic arm

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
- Touch display for parameter input and display
- All movements and parameters (e.g. speeds and working pressures) programmable and storable
- Product database reduces set-up times and offers process reliability
- Large parameter spectrum enables efficient use of modern tools and equipment
- Connection to other systems, e.g. measuring equipment
- All spindles are infinitely variable independently of each other
- Stroke, overarm position and speed adjustable during the process
- Working pressure adjustment via sliding weight or alternatively pneumatic arm
- One-hand lifting device for the overarm(s) (with sliding weight)
- Pneumatic lifting device for the overarm(s) (with pneumatic arm)
- Spindle locking device(s)
- Stainless steel basin
- Polishing agent distributor

Options

- Working pressure indicator
- Lever pull-out position indicator

Technical Details

	HX 500
Number of spindle	1
Basin diameter in mm (inch)	700 (27.56)
Pinolendrehzahl in min^{-1}	0 - 100
DistanceSpindle – centre of overarm in mm (inch)	305 (12.01)
Traverse	X = 460; Y = 200
Working pressure in N	
Arm (unloaded)	0
Sliding weight	50 - 120
Pneumatic arm light version	0 - 670
Pneumatic arm heavy version	0 – 1700
Main spindle connection thread	M39 DIN 58725
Power requirement in kW	4,2
Ball pin	Ø 18 (0.71) mm / M16
Weight in kg	1230
Dimension (WxDxH) in mm	
with Touch-Display	995 x 1700 x 1450
without Touch-Display	995 x 1700 x 1760
Paint finish (Standard)	Light grey RAL 7035

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