

Lapping- and Polishing machine

with horizontal overarm and NC-control

HC 500 – with sliding weight or pneumatic arm

Machine Characteristics

- Single- or multi-spindle processing machine for lapping and polishing flat, spherical and cylindrical surfaces
- Parameters can be stored in 100 recipes to reduce set-up times and increase process reliability and reproducibility
- Programmable sequences (pressure, speed, time control)
- Over arm movements individually programmable via NC-control
- Stroke, over arm position and speed adjustable during the process adjustable during the process
- Over arm movement via servo drive with planetary gear
- Touch display for parameter input and notice
- Large parameter spectrum enables efficient use of modern tools and operating equipment
- Interface for process data output (archiving of process and machine data), OPC-UA standard
- Connection to other systems, e.g. measuring equipment
- Working pressure adjustment via sliding weight or alternative pneumatic weight
- Pneumatic spindle locking device
- Tool spindle made of stainless steel
- Stainless steel basin
- Polishing agent distributor, circulation lubrication prepared



Options

- Working pressure indicator
- Lever pull-out position indicator

Technical Details

HC 500	
Number of spindle	1
Basin size in mm (inch)	700 x 1000 (27.56x39.37)
Spindle sleeve in min ⁻¹	10 – 150 or 0-200
Eccentric stroke frequency in stroke/min ⁻¹	0 – 75
Distance – Spindle – centre of overarm in mm (inch)	350 (13.78)
Stroke on ball pin in mm (inch)	0 – 180 (7.09)
Working pressure in N	
Overarm (unloaded)	0
Sliding weight	10 - 100
Pneumatic arm	50 - 680
Main spindle thread	M39 DIN 58725
Power requirement in kW	6,8
Ball pin in mm (inch)	Ø12 (0.47) mm / M12
Weight in kg	504
Dimensions (WxDxH) in mm	
without Touch-Display	1750 x 1380 x 950
with Touch-Display	1750 x 1380 x 1730
Paint finish (standard)	Light grey RAL 7035

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



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