

Lapping- and Polishing machine

with horizontal overarm and NC-control

HC 125 – 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 500 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 125 - 2	HC 125 - 4
Number of spindle	2	4
Basin size in mm (inch)	200 (7.87)	200 (7.87)
Spindle sleeve in min-1		
Servo	0 - 450	0 - 450
Asynchron	30 - 450	30 - 450
Eccentric stroke frequency in stroke/min⁻¹	0 - 75	0 - 75
Distance – Spindle – centre of overarm in mm (inch)	195 (7.68)	195 (7.68)
Stroke on ball pin in mm (inch)	0 - 100 (3.94)	0 - 100 (3.94)
Working pressure in N		
Overarm (unloaded)	0	0
Sliding weight	0 - 10	0 - 10
Pneumatic arm	20 - 200	20 - 200
Main spindle thread	M16 DIN 58725	M16 DIN 58725
Power requirement in kW	3,0	6,0
Ball pin in mm (inch)	Ø 8 (0.32) mm / M8	Ø 8 (0.32) mm / M8
Weight in kg	430	590
Dimensions (WxdxH) in mm		
without Touch-Display	900 x 1210 x 1300	1110 x 1210 x 1300
with Touch-Display	900 x 1210 x 1760	1110 x 1210 x 1760
Paint finish (standard)	Light grey RAL 7035	Light grey RAL 7035

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



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Vers. 08/2022