

# Lapping- and Polishing machine

for high stock removal rates

for grinding with diamond pellets, lapping and polishing

PH 450

## Machine Characteristic

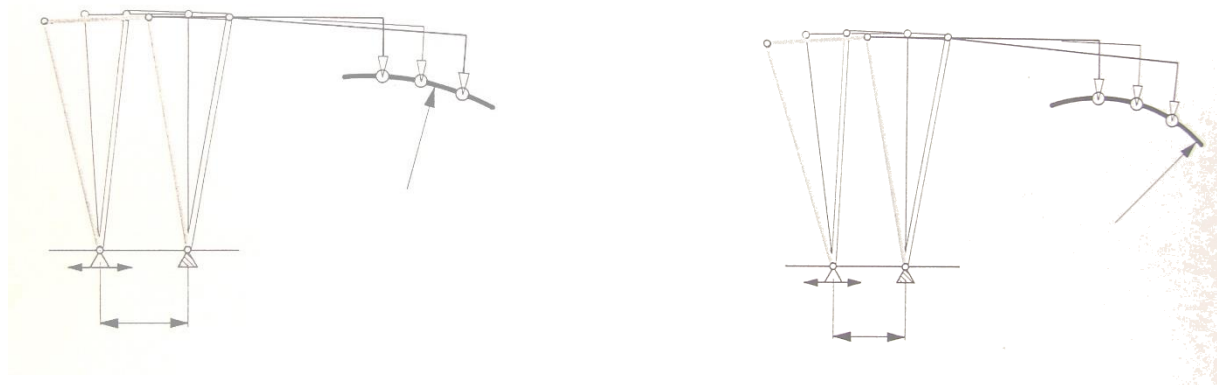
The PH 450 is characterized by a lever mounted on an oscillating parallelogram. By adjusting two pivots of this parallelogram, both a rectilinear and a radial movement of the pressure pins can be set.

In the machines of the PH series, the movement of the pressure pin is adapted to each radius up to the plane surface.

- Sturdy frame in welded construction
- Powerful spindle and eccentric drives, infinitely variable independently of each other
- Highest running smoothness of the spindle due to Poly-V belt drive
- Radius adjustment of the lever arm via threaded spindle
- Sideways swiveling polishing pin
- Electromechanical spindle lock
- Pneumatic working pressure generation
- Eccentric stroke size and position are adjustable
- Reproducible setting of all machine parameters by scales or displays
- Completely enclosed working area
- Suspension circuit through the quill (top), via the working spindle and laterally via flexible tube
- Touch Screen Display for user-friendly input of the parameters:
  - Machining pressure
  - Machining time
  - Spindle speed
  - Eccentric speed



Product database for recording the process parameters stored in the control system.



## Options

- → See the separate options list



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## Technical Details

	<b>PH 450</b>
<b>Number of spindle:</b>	1
<b>Basin size in mm:</b>	640 x 880
<b>Main spindle in min<sup>-1</sup></b>	40 – 600
<b>Workspace ø in mm:</b>	350 for grinding and fast polishing 450 for conventional polishing
<b>Radius range in mm:</b>	R ± 120 until plan
<b>Oscillation frequency in strokes/min:</b>	23
<b>Oscillation stroke in mm:</b>	300 - 1800
<b>Working pressure in N:</b>	50 - 800
<b>Operating pressure in bar:</b>	4 - 6
<b>Main spindle connection thread DIN 58725:</b>	M60
<b>Ball pin:</b>	Ø 18 mm / M18 or Ø12mm/M12
<b>Power requirement in kW:</b>	4,0
<b>Dimension (WxDxH) in mm:</b>	1500 x 1700 x 1800
<b>weight in kg:</b>	1100
<b>Paint finish (standard):</b>	light grey RAL 7035

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

