

Spherical Grinding and Polishing Machine

for flat spherical and plane optical surfaces

SSP 150-4

Machine Characteristics

- 2 working units for each 2 spindles, pressure
- spindle sleeves and linear oscillation
- Spindle speed are variable adjustable
- Speed indicator for all spindle drive
- Spindle angles are adjustable
- Spindle sleeves oscillation stroke are individually adjustable in pairs
- Spindle position sleeves and height are individually adjustable
- Variable working pressure via pneumatic cylinder
- Pneumatic lift out of the upper spindle
- Spindle lock
- Timer
- Automatic valve-controlled slurry supply
- Slurry distribution via spindle and from the side

Options

- Upper driven spindles with servo drives
- 2 driven eccentric, independently variable regulated
- 4 top drives, independently variable regulated



fig. SSP 150-4 with upper driven spindle and pneumatic generation pressure

Technical Details

SSP 150	
Lens diameter in mm (inch):	max. 150 (5.91") \varnothing
Radii with opening angle in degree:	$\leq 100^\circ$ to flat
Turning angle of spindle in degree:	0 to 30°
Oscillation stroke in mm (inch):	0 to 50 (1.97")
Oscillation position to spindle centre in mm (inch):	± 40 (1.58")
Spindle speed in min^{-1} :	400 – 2000
Oscillation frequency in min^{-1} :	30
Working pressure of spindle sleeves in N:	10 to 70
Spindle connection thread DIN 58725 in M:	27
Pressure connection sleeves in mm (inch):	Ball pin $\varnothing 8$ (0.32")
Power requirement in kW:	approx. 4
Compressed air pressure in bar:	6
Dimensions (WxDxH) in mm (inch):	1500 x 950 x 1600 (59.06" x 37.40" x 62.99")
Weight in kg (lbs):	approx. 980 (2161)
Paint finish (standard):	light grey RAL 7035

Tools and accessories you can find in our current catalogue or on request.



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