



Smoothing & Polishing Machine SPF 150 / 300 / 400 / 650

For flat optical components of high precision

- The present design follows a newly developed modular concept
- Each spindle, of both smoothing and polishing device, features its own drive.
- The tool contact forces are individually controlled pneumatically, which permits you to attain smoothed and polished surfaces of top quality.
- The double eccentric drive forms a unit which copes with all smoothing and polishing work.
- Thanks to the individual adjustment at the eccentric it is possible to generate any number of polishing patterns. The result is an optimal quality achieved in the shortest possible time.

- The machine features a welded, sturdy base frame covered by a solid plastic plate.
- The smoothing and polishing tubs are recessed in the top plate and removable.
- The working spindles and eccentrics are driven over toothed belts, a solution which provides enormous advantages in respect of loss of force and service-friendliness.
- The speeds are freely selectable.
- Spindle stability and precision are assured by a suitable cone and ball arrangement.
- On request the machine stations can be operated individually.



Technical data

Type	SPF 150	SPF 300	SPF 500	SPF 650
Length	1250 mm	1450 mm	1900 mm	1900 mm
Width	700 mm	900 mm	1250 mm	1250 mm
Height	1450 mm	1500 mm	1600 mm	1600 mm
Weight	550 kg	700 kg	900 kg	900 kg
Working range plain to R+/-	80 mm	100 mm	100 mm	100mm
Tub diameter	250 mm	320 mm	500 mm	700 mm
Workpiece diameter max.	100 mm	250 mm	450 mm	600 mm
Workpiece spindle connection	M27 / DIN58725	M27 / DIN58725	M39 / DIN58725	M39 / DIN58725
Installed Power	4 kW	4 kW	5 kW	5 kW
Air connection	6 bar	6 bar	6 bar	6 bar
Number of spindles	2	2	2	2
Workpiece speed	10 – 200 rpm	10 - 180 rpm	5 - 100 rpm	5 – 100 rpm
Eccentric speed	10 – 100 rpm	5 – 50 rpm	5 – 50 rpm	5 – 50 rpm
Working pressure	175 N / 4 bar	210 N / 4 bar	550 N / 4 bar	550 N / 4 bar

Technical alterations subject to change.