

## FLP RL 250 / 500 / 1000

Cylindrical lapping and polishing machine

- Basic model for machining of workpieces with a diameter of 2 - 150 mm
- Roller length 250 / 500 / 1000 mm
- 1 regulating roller with special design
- 1 lapping roller with special design
- Continuously variable drive of the regulating roller
- Continuously variable drive of the lapping roller
- Controlled clamping device including safety mechanism
- Plastic pressure fittings for rollers
- Oscillating horizontal feed for clamping device
- Lapping roller adjustment by means of threaded spindle
- Measurement control for roller position adjustment
- Lapping agent and suspension dosing
- Siemens 1500 PLC control system
- Energy-saving drives with high efficiency class
- Memory for 100 programs
- Swivelling clamping device
- Protective cover



# FLP RL 500

Cylindrical lapping and polishing machine

## ■ Technical data:

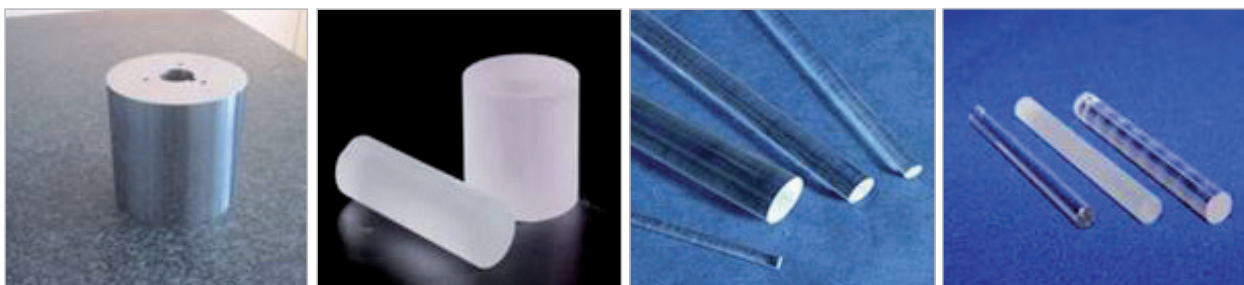
Roller diameter, regulating roller	80 mm
Roller diameter, lapping roller	145 mm
Roller length	500 mm
Regulating roller RPM	10-200 rpm
Power, main drive	0.55 kW
Power, oscillation drive	0.12 kW
Power, clamping device	0.5 kW
Weight	460 kg
Dimensions (LxWxH)	350x1160x1400
Mains voltage	400 V / 50 Hz
Power consumption	max. 3 kW
Air supply	6 bar
Bearing	Precision sliding bearing
Quick adjustment	Regulating roller
Electronic display	Roller parallelism, clamping force and RPM
Siemens 1500	Menu control via PLC
Two-hand operation	Process start
Clamping device	Servo control
Slurry supply	Dosing pump

## ■ Technology parameters:

Roughness, roundness, parallelism,  
dimensional accuracy

## ■ Workpiece dimensions:

Diameter: 2-150 mm  
Length: 10-250 / 500 / 1000 mm



Workpiece examples