

150 SL20

the product



High precision centerless grinding machine for through-feed and plunge grinding methods

Technical data

Production

Workpiece diameter range 0.1 to 10 mm

Grinding wheel

Diameter 150 mm (option 200 mm)
 Width 50 mm (option 63 mm)
 Peripheral speed 25/35/45 m/s
 (with optional frequency converter max. 63 m/s)
 Power of grinding wheel motor 2.2 kW

Control wheel

Diameter 100 mm
 Width 50 mm (option 63 mm)
 Speed continuously adjustable (AC servomotor) 1 to 300 min⁻¹
 Inclination of the control wheel -2.5° / +0.5°
 Plunge axis AC servomotor
 Smallest programmable step 0.1 µm
 Infeed speed min. 0.001 mm/s
 max. 25 mm/s

Grinding wheel dressing

With template, cross slide movement hydropneumatic

Control wheel dressing

With template, cross slide movement hydropneumatic

Loading attachments

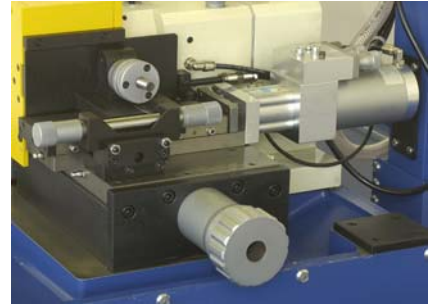
Manual: with loading table
 Automatic: with handling system, vibration feeder, HF loader, conveyor belts

Connection data and Weight

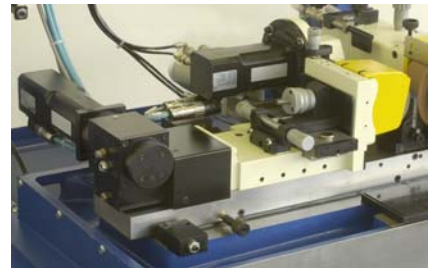
Power supply 3x400V 50/60 Hz
 Weight machine with control unit approx. 940 kg
 Compressed-air supply 6 bar
 Air consumption 7.5 m³/h
 Space requirement approx. 6 m²

AGATHON services for high precision centerless grinding machines

Engineering team for customer-specific handling solutions
 Grinding tools and technologies optimized according to application
 Training courses for machine operation and maintenance
 Machine after-sales service international service



Dressing cylinder



Plunge axis



Operating panel

SL 4001.2 / Date: 12.09.2007 / Subject to technical modifications