



INTER-EXTER CYLINDRICAL GRINDING MACHINE - GER C-1000 CNC

Grinding machines

Brand :	GER
Model :	C-1000
Year :	2011

TECHNICAL DETAILS & EQUIPMENT

Technical characteristics :

Working time: 600 H

Length between spikes: 1000 mm

Spike height: 140 mm

Maximum grinding diameter: 275 mm

Internal spindle diameter: 80 mm / max. speed: 25,000 rpm

Maximum weight between points: 100 Kg

Z-axis Longitudinal Table

Table travel 1150 mm

Table orientation +/- 9°.

Working speed: 0.01 - 15 000 mm/mn

Resolution 0.001 mm/mn

Positioning control: Encoder

X axis Transverse (wheelhead)

Total stroke: 250 mm

Minimum programmable increment: 0.01 mm/mn

Maximum programmable increment: 15,000 mm/min

Resolution 0.001 mm

Positioning control: Digital linear ruler

Grinder head

Grinding head with automatic rotation: $-20^{\circ}/+210^{\circ}$ digitally controlled

Dimension of the left wheel : 450*50*127 mm (cone and face grinding)

Peripheral speed: 45m/s

Motor power: 5.5 kW

Resolution: 0.001 °.

Workpiece carrier head

Turning angle: Manual +/- 45

Rotational speed: 10-1000 rpm

External spindle mounting: DIN 55.026 size 5

Inner cone: Morse 4

Internal bore: 32 mm

Tailstock

Inner cone of the axis: Morse 4

Operation: Manual as standard

Tailstock travel: 40 mm

Shaft diameter: 50 mm

Maximum taper correction: +/- 0.050 mm

Engines

Hydraulic pump: 0,10 kW

Sprinkler pump: 0.25 kW

Longitudinal axis: 7.3 Nm

Cross axis: 5.1 Nm

Equipment :

Axial probe

GAP and CRASH capture (anti-collision)

Arborage 230 L

100l/min pump

Paper filtration

Magnetic separator