

Doimak

BEARINGS GRINDING MACHINE : RCR-250



Doimak RCR machine is a last generation CNC grinding machine, designed for the grinding of the external and internal diameter of the bearings.

The main features of this model are:

- Very high precision and fiability with measure in process of the external and internal diameter.
- High productivity, due to the fact that part of the grindings will be made simultaneously.
- Automatic load and unload.
- Two independent wheel heads for the external and internal grinding.
- Magnetic chuck and steady rests.

TECHNICAL FEATURES

- Maximum work piece diameter: 250 mm.
- Minimum work piece diameter: 100 mm.



INTERNAL WHEEL HEAD "X1" SLIDE

- Servomotor and ball screw.
- Glass scale.
- Maximum speed 6 m/min.

"A" ROTARY SLIDE

- Servomotor and crown screw.
- Encoder.
- Maximum stroke 30°.

"Z1" LONGITUDINAL SLIDE

- Servomotor and ball screw.
- Encoder.
- Maximum speed 6 m/min.

INTERNAL WHEEL HEAD.

- Electrospindle.
- 23 kW and 24.000 RPM.

SINGLE-POINT DRESSER

EXTERNAL WHEEL HEAD "X" SLIDE

- Servomotor and ball screw.
- Maximum speed 6 m/min.
- Glass scale.

WHEEL HEAD

- High precision bearings.
- Driven by 9 kW motor with belts.

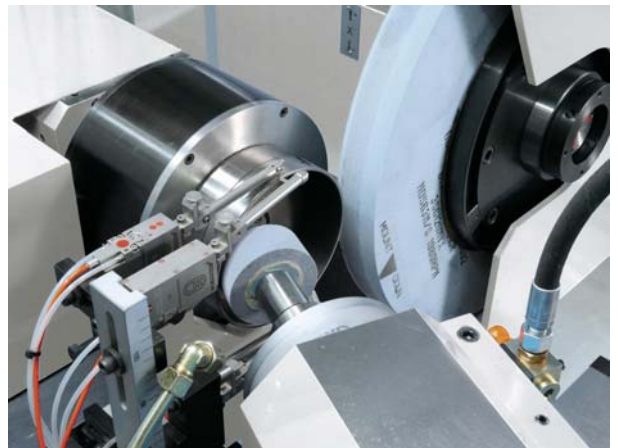
2 AXES DRESSER

LONGITUDINAL SLIDE "Z"

- Servomotor and ball screw.
- Encoder.
- Maximum speed 10 m/min.

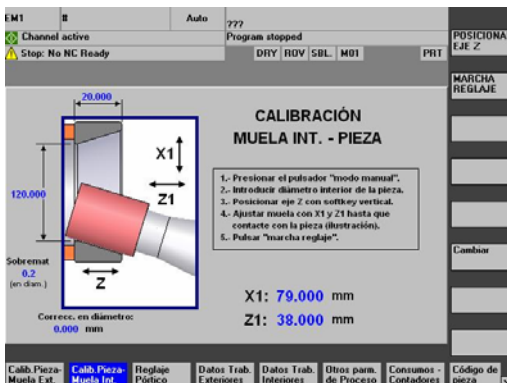
WORKHEAD

- Driven by servomotor of 18'5 Nm and belts.
- Magnetic chuck and steady rest.



LOADING AND UNLOADING SYSTEM

- Gantry structure with load and unload station.
- Three axes.
- Double jaws system for loading and unloading.



CONTROL SIEMENS 840 D

8 linear axes, 2 rotary axes and 3 heads.

SOFTWARE

It is arranged with a set of parametric programs, with graphical masks designed for an easy introduction of information.

