

Doimak

MULTISPINDLE HOBS GRINDING MACHINE : RFM -G



Doimak machine RFM-G series is a last generation grinding machine designed for grinding hobs.

The main features of this model are:

- High accuracy (AAA).
- High production capacity (possibility of CBN wheels).
- Possibility of grinding any size of hobs using three interchangeable spindles with: cylindrical, trunco conical and mounted points.
- Automatic calculation of wheel profile and dressing path.
- Easy to use. Operator interface is performed by means of graphical masks.

TECHNICAL DATA.

- Distance between centres: 500 mm.
- Max workpiece diameter: 400 mm.
- Maximum modulus: 30.
- Wheel tilting angle: -225, +45°. (270°).

Accuracy Class : AAA

Base
Amply sized perlitic cast iron.

Table

- Digital servomotor and ball screw
- Glass scale
- Max speed : 6000 mm/min.
- Displacement guideways.

Workhead

- Spindle speeds between 1÷100 rpm
- Encoder of high resolution.

Tailstock

- Device for taper correction.

Dresser

- Dressing by diamond disc.
- Dressing cycle and wheel wear compensation are both CNC controlled.



Wheel head slide

- Digital servomotor and ball screw.
- Glass scale.
- Displacement guideways
- Max. speed : 6.000 mm/min

Vertical slide.

- Manual CNC positioning.
- High precision encoder

Rotary slide

- Maximum tilting angle -225° +45°
- Manual CNC positioning
- High resolution encoder.

Rotating Base

- Maximum tilting Angle 15°
- Manual CNC positioning.
- High precision encoder.

Wheel head

Three devices for three different wheels.:

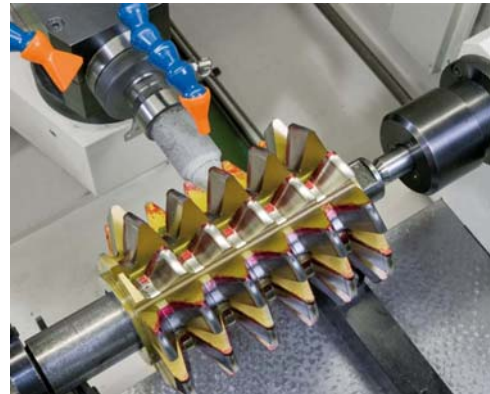
- Cylindrical.
- Trunco conical.
- Mounted points.

Cylindrical Wheel.



Trunco conical wheel

Mounted points



Trunco conical wheel.

