

# Doimak

## HOB SHARPENING MACHINE : AF-75



The model DOIMAK AF-75 is a last generation hob sharpening machine designed for sharpening hobs.

The main features of this model are:

- High accuracy .
- The grinding can be performed by reciprocal oscillation along one flute to another and by plunging.
- Easy to use, operator interface is performed by means of graphical masks.
- Designed to grind different types of hobs (straight, helical ...) of different materials (H.S.S., Carbide..)
- Possibility of using ceramic, CBN or diamond wheels.

### STANDARD TECHNICAL SPECIFICATIONS

- Distance between points: 700 mm.
- Height of points: 180 mm.
- Longitudinal travel: 800 mm.
- Cross travel: 270 mm.
- Max. diameter to grind: 350 mm.

## BASE

Amply sized perlitic cast iron.

### WORKHEAD ("C" AXIS)

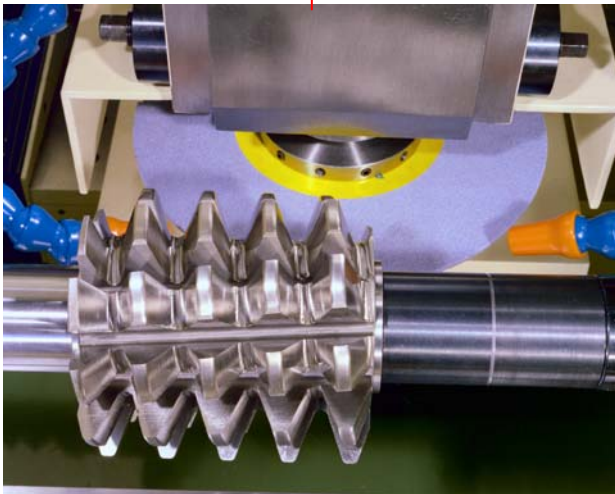
- Servomotor with direct motor.
- Encoder of high resolution.

### TAILSTOCK

- Mt-4.

### WHEEL DRESSING

- Single-point diamond mounted on the workhead.



### LONGITUDINAL SLIDE ("Z" AXIS)

- Servomotor and ball screw.
- Hardened guides with pad of recirculating balls.
- Max. speed: 12.000 mm/min.
- Encoder.

### WHEEL HEAD SLIDE ("X" AXIS)

- Servomotor and ball screw.
- Hardened guides V and M shaped.
- Max. speed: 6.000 mm/min.
- Glass scale.

### WHEEL HEAD ROTATION ("U" AXIS)

- A.C. servomotor in the range of  $\pm 45^\circ$ .
- Encoder of high resolution.

### VERTICAL SLIDE ("Y" AXIS)

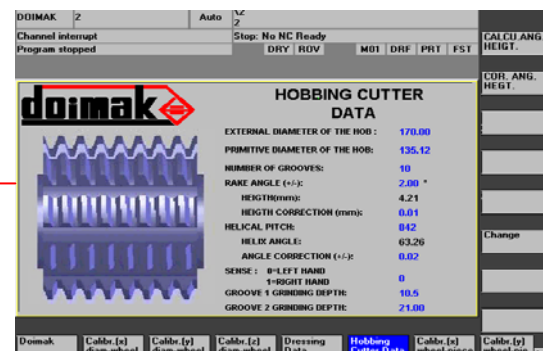
- Servomotor and ball screw.
- Slide stroke reading by encoder positioning resolution 0'001 mm.

### WHEEL HEAD

- 5 Kw-3.000 rpm motor.
- Spindle pivoting from 0 to 15 ° on fixed stops.

## SOFTWARE

- It is a set of subprograms corresponding to each grinding cycle and being managed through the main programme developed for these special purposes.



**DOIMAK - 20870 ELGOIBAR-GUIPUZCOA-SPAIN**

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