

## **ROBBI IGU High Precision CNC Internal Grinding Machine with upto 4 spindles**

Maximum rotating diameter	650mm
Height of centres over table	325mm
Maximum cantilever weight (150mm from spindle nose)	50Kg
Maximum workpiece length	300mm
Maximum internal grinding depth	200mm
B Axis - swivel range	+30 deg / -20 deg
B Axis - repetition accuracy	<1"

### **CNC with Siemens 840Di control**

## **ROBBI IGU High Precision CNC Internal Grinding Machine with upto 4 spindles**

- High Precision Internal Grinding machine
- Up to 4 grinding spindles on the rotating turret
- Motor controlled by CNC and software interpolation 2-axis allow the adjustment of various axes, customised to suit the application
- Roller linear guides
- Axis movement by means of high precision re-circulating ball screw
- Granite base

An important component of the Internal Grinding Machine IGU 400 is represented by the spindle turret that, in the maximum configuration, can be equipped with:

- 4 spindles (one of which for external)
- 4-spindles for internal grinding
- Tailstock to facilitate the grinding of a centre bore

The turret has an integrated swivel axis that runs automatically and allows you to use up to 4 grinding spindles.

The rotation of the turret is automatic and the positioning is accurate and precise ( the turret do not rotates in the versions numer 1 and 2 - see spindle image)

## **Granite Base**

- Low thermal expansion
- Excellent rigidity
- Absorption of the vibrations

## **Roller Linear Guides**

- Maximum rigidity
- Speed and acceleration over the very low speed
- Elimination of stick slip.

## **Incremental linear encoder on both Axes**

- Small coefficients of variation.
- Dampens vibrations optimally.
- No vibration side
- Maximum positioning accuracy and repeatability
- Excellent performance during the working in interpolation

## **High Precision Re-circulating ball screws**