

**Subject: Travelling column milling machine MQ-5.000**

**Model: MQ-5.000 RETROFITTED**

**BASIC CHARACTERISTICS OF THE MACHINE**

			MQ 12.000 FLOOR TABLE 5.000x2.500 H=300
<b>TABLE</b>	Surface	mm	
	T-Slots	mm	xxxx
	Distance between T-slots	mm	xxxx
	Admissible load	Kg	xxxx
<b>TRAVELS</b>	Longitudinal	mm	5.000
	Cross	mm	1.500
	Vertical	mm	3.000
<b>WORKING FEEDS</b>	Feeds	mm / '	0 - 4.000
<b>MAIN DRIVE</b>	Power - EDE100%	Kw	35KW
<b>TORQUE</b>	Power - EDE100%	Nm	850 Nm with gearbox
	Taper shank	ISO /DIN	50 / 69871
	Speed range	Rpm	50 - 4.000
<b>SPINDLES</b>	Longitudinal	mm	100X20
	Vertical	mm	2 ballscrews 80x20 (GANTRY)
	Cross	mm	63 x 20
<b>ACCURACIES</b>	Positioning	mm	+0.04
	Repeatability	mm	+0.03
<b>WEIGHT</b>	Aprox. Machine weight	Kg	56.500 KG

## STANDARD EQUIPMENT

- *Control Heidenhain **TNC- i530** – Placed in the cabinet next to column*
- *Digital motors and drives (**Indramat**)*
- *Electronic **handwheel** Heidenhain HR-410*
  
- ***Drive system***
  - *One ballscrew in longitudinal axis*
  - *One ballscrew in the cross axis*
  - *Double ballscrews in the vertical axis (Gantry)*
  
- ***Box guides** with antifriction material (turcite) in all the axis.*
- *Codified **lineal scales** – Heidenhain.*
- *Motor **35 kW (S1)** - 2.200 rpm, , ISO50*
- *Feeds up to 30.000 mm/’*
- ***Gear box ZF** brand with 2 steps*
  - *Machine guarding according to CE regulations and norms, basic guarding, only in the rear side not in the front*
- ***Automatic head 1°x2.5°***
- ***A.T.C** Chain type for **60 tools**, loading in horizontal / vertical*
- *Coolant through spindle **15 Bars** – **1.000 Lts***
- ***Rigid taping**,*
- *Chip conveyor – Chain type with H=1.200mm goose neck*
- ***Rotary table 2.000 x 2.000 with 10Tn capacity on table (optional): 30.000€***
- *Transport & installation not included.*