



MU^{Tech} Series

5 Axes Versatile Milling Centre
with High Performance

Performance
Technology
Power
Accuracy





MU Tech Series

Overview

The *MU⁶* is a Versatile milling centre that responds to the many demands emanating from mechanical trades.

This machine is the result of combining the traditions of the old Huré and Gambin companies, whose reputations remain unmatched and the know-how derived from our competence in the field of high-speed, high-precision machining.

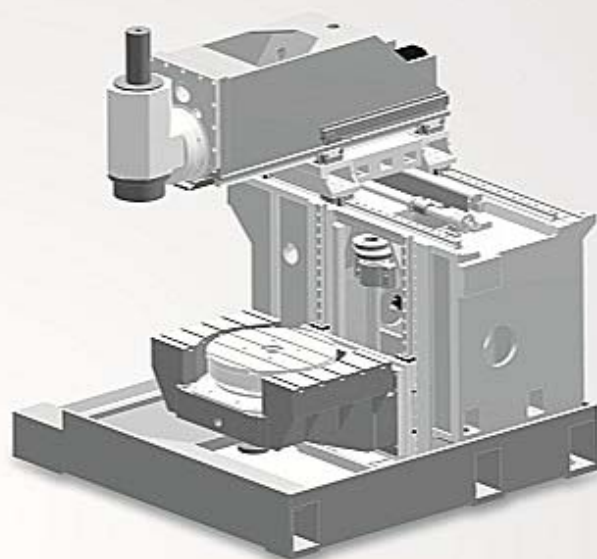
The *MU⁶* has the geometric capacities, clamping surface and power required for heavy, bulky milling jobs while preserving

Structure

The frame accommodates all axes of movement.

The 1.000 x 600 mm fixed table travels up to 560 mm vertically. A transverse saddle with a 750 mm stroke is surmounted by a ram travelling up to 560 mm. All structures are made of heavily ribbed cast iron ensuring a high level of machining stability, thanks to the excellent damping capacities of the material, and geometric stability as a result of the symmetric architecture.

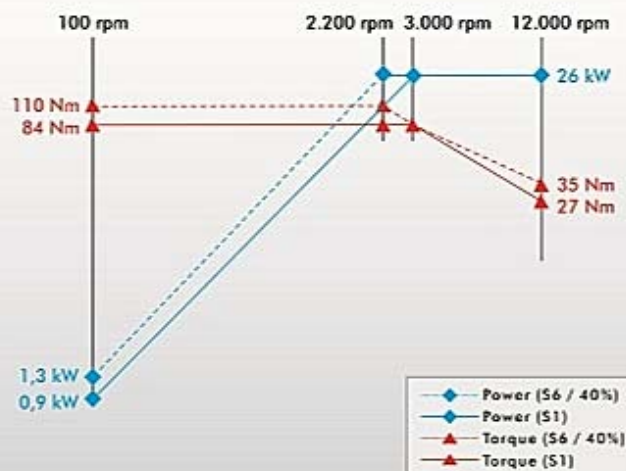
All movement are driven by high performance ballscrew



Electrospindle

Tool taper	ISO 40
Rotating speed	12.000 rpm
Power S1 / S6-40%	26 kW / 26 kW
Torque S1 / S6-40%	84 Nm / 110 Nm
Characteristic Speed	3.000 rpm

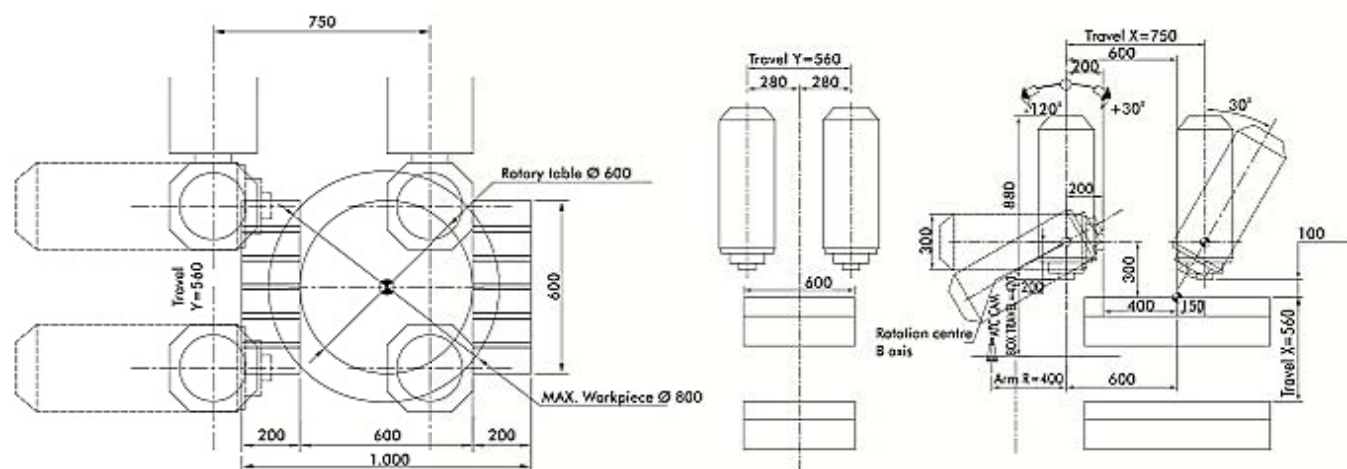
- Electrospindle is equipped with a special chiller enabling to maintain thermal stability of spindle.
- Perfect machining stability is achieved through the spindle design and the use of high - performance bearings.





Rotating Axes

Tilting head - B axis	
Tilting head on Y axis enabling machining on 5 sides	
Tilting head with spindle in vertical position 0°	+30° / -120°
Rotating speed	35 rpm
Fixed table with integrated rotating table - C axis	
Fixed table	1.000 x 600 mm
Rotating table	Ø 600 mm
Max. workpiece	800 x 550 mm
Max. admissible load	500 kg



Auto tool changer

Drum type tool changer with double arm	
Housings	24
Max. Ø adjacent / not adjacent tool	75 / 125 mm
Max. length of tool	300 mm
Weight of tool	7 kg



Technical specifications

ISO : 9001 

MU^{fin}6

Linear axes X / Y / Z

Travels	mm	750 / 560 / 560
Rapid feedrate	m/min	30
Acceleration on each axis	m/s ²	5

Head / Rotating axis B

Rotating speed	rpm	35
Spindle axis / Saddle plan		+30° / -120°

Table / Rotating axis C

Type		Rotary table integrated in fixed table
Fixed table	mm	1.000 x 600
Rotating table	Ø mm	600
Max. workpiece dimension	mm	800 x 550
Admissible load on table	kg	500
Rotating speed	rpm	40

Spindle

Rotating speed	rpm	12.000
Taper		ISO 40
Power / Torque (S6)	kW - Nm	26 - 110

Tool Changer

Housings		24
Tool : Length - Weight - Ø	mm - kg - mm	300 - 7 - 75

Accuracy (VDI / DGQ 3441)

Positioning uncertainty (P)	mm	0,010
Repeatability (Ps medium)	mm	0,005

Other datas

Overall measurements	mm	4.950 x 2.950 x 2.600
Weight of the machine	kg	9.300

Standard features

- Electrospindle
- Axes driven by ballscrew & guidways
- Rotating table driven by gear worm
- Low pressure coolant
- Automatic centralized lubrication
- Measuring scale on all axes
- Chips conveyor
- Electrical cabinet thermally controlled

Optional equipments

- Other spindle
- ATC 40 / 60 housing
- Fixed table
- Coolant through tool centre
- Tool and job probes

Note : All above informations are subject to change arising out of continuous product improvement. The standard designation, accessories and technical datas conforms to our price list, not to the photo of machines shown in the catalogue.

