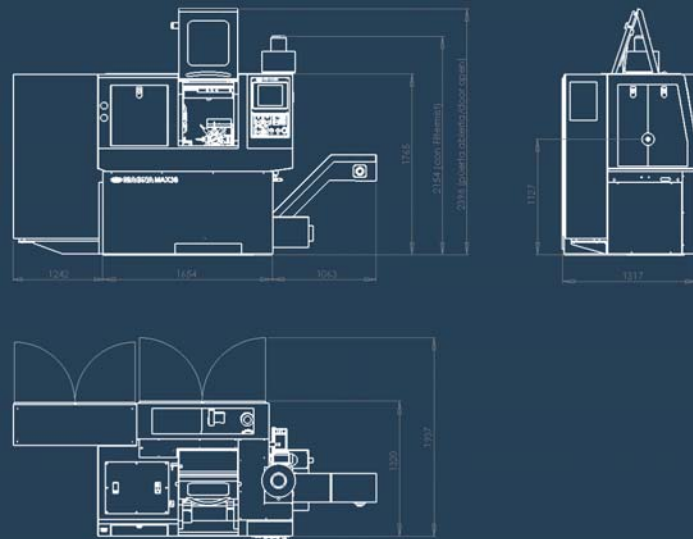


TECHNICAL FEATURES

MAGNAMAX 16 MAGNAMAX 26 MAGNAMAX 36

MAIN SPINDLE				
ROUND BAR PASSAGE		16	26	36
SPINDLE MAXIMUM SPEED (RPM)		8500	6000	4500
MAIN MOTOR		ASYNCHRONOUS VECTORIAL		
RATED POWER		5,5 kW		
MAIN TURRET				
NUMBER OF TOOLS		8		
TOOLHOLDER SHANKS	STANDARD TURRET	4x 3/4" (19,05mm) / 4x 1-1/4" (31,75 mm)		
	VDI TURRET (OPTIONAL)	4x VDI-20 / 4x 1-1/4" (31,75 mm). Internal cooling.		
Z AXIS MAX TRAVEL		130 mm		
X AXIS MAX TRAVEL (OPTIONAL)		40 (-5/+35)		
T STATION INDEXING TIME		0,4 s		
LIVE TOOLS (OPTIONAL)				
MOTOR POWER		1,3 kW		
MAXIMUM SPEED		6000 RPM		
TORRETA MAX				
NUMBER OF TOOLS		8		
TOOLHOLDER SHANKS	TORRETA VDI	4x VDI-20 / 4x 1-1/4" (31,75 mm). Refrigeración interior.		
Z AXIS MAX TRAVEL		112		
X AXIS MAX TRAVEL		72		
Y AXIS MAX TRAVEL		105		
T STATION INDEXING TIME		0,4 s		
LIVE TOOLS (OPTIONAL)				
MOTOR POWER		1,3 kW		
MAXIMUM SPEED		6000 RPM		
HORIZONTAL SLIDES				
Z AXIS MAX TRAVEL (COMMON)		130 mm		
MAXIMUM FEED FORCE		6790 N		
RAPID FEED SPEED		15 m/min		
X AXIS MAX TRAVEL		50 mm		
RAPID FEED SPEED		15 m/min		
MAXIMUM FEED FORCE		2450 N		
SECOND OPERATION SYSTEM				
(LIVE TOOL IN MAIN TURRET REQUIRED)		LINEAR X AXIS FOR MAIN TURRET REQUIRED.		
(PICK-UP DEVICE REQUIRED)		LINEAR X AXIS FOR MAIN TURRET NOT REQUIRED.		
2 TOOL TABLE				
2 OR 3 TOOL DRUM				
SYNCHR. SUBSPINDLE (INSTEAD OF MAIN TURRET)				
Z AXIS MAX TRAVEL		130 mm		
MAXIMUM COLLET DIAMETER		36 mm		
MAX TURNING LENGTH		130 mm		
COOLANT SYSTEM				
TANK CAPACITY		80 l.		
FLOW		30 l/min		
PRESSURE		HASTA (4 + 1,5 bar)		
MACHINE DIMENSIONS				
WORKSHOP SURFACE				
OVERALL HEIGHT				
FLOOR TO MAIN SPINDLE CENTER		1.120 mm		
APPROXIMATE WEIGHT		2.200 kg		



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MAGNAMAX
CNC Multislide Lathe



MAGNAMAX

CNC Multislide Lathe



WELCOME TO THE NEW MAGNAMAX

BEST PERFORMANCES
IN THE SMALLEST AREA

A big leap in **MUPEM's** MAGNA. A machine which combines features of a lathe and a milling machine, able to finish every part in a single cycle.

New **MAGNAMAX** offers an incomparable productivity and flexibility ratio. Simple and complex screw cutting parts can be machined with high accuracy due to the new over spindle Y axis turret,

its ability to work with up to 4 tools simultaneously and the possibility of working on both ends of parts.

All these in only 2.5 sq-meters.

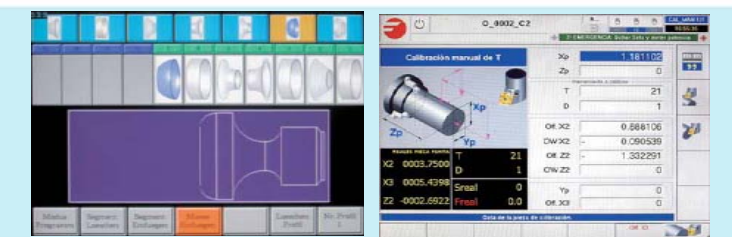


EXTERNAL SHIELDS

Covers of the new **MAGNA MAX** are designed to allow a good access to its internal devices, reducing service times but keeping a solid and compact structure.

THE MOST COMPLEX CNC, THE SIMPLEST PROGRAMMING.

MUPEM's CNC is especially designed for easy use. Its HMI interface, tested and improved by hundreds of operators of our machines, is the best option that can be equipped in a multiaxis automatic CNC lathe.



All axes are programmed at once, without channels or delays. The programming is really simple and almost any operator, even without previous experience with CNC or computers, will be able to fully operate the machine within 2 or 3 days. The machine can also be remotely connected through Ethernet or WIFI.

If C axis is necessary on the main spindle, or if ISO language is the customer's choice, the machine can be equipped with a FAGOR 8070 multichannel CNC.

MAX VERTICAL TURRET WITH Y AXIS.

NEVER SAY AGAIN "IT CANNOT BE DONE"

The secret of the new MUPEM's MAGNAMAX is the new 8-station turret over the main spindle with interpolation in X, Y and Z axes.

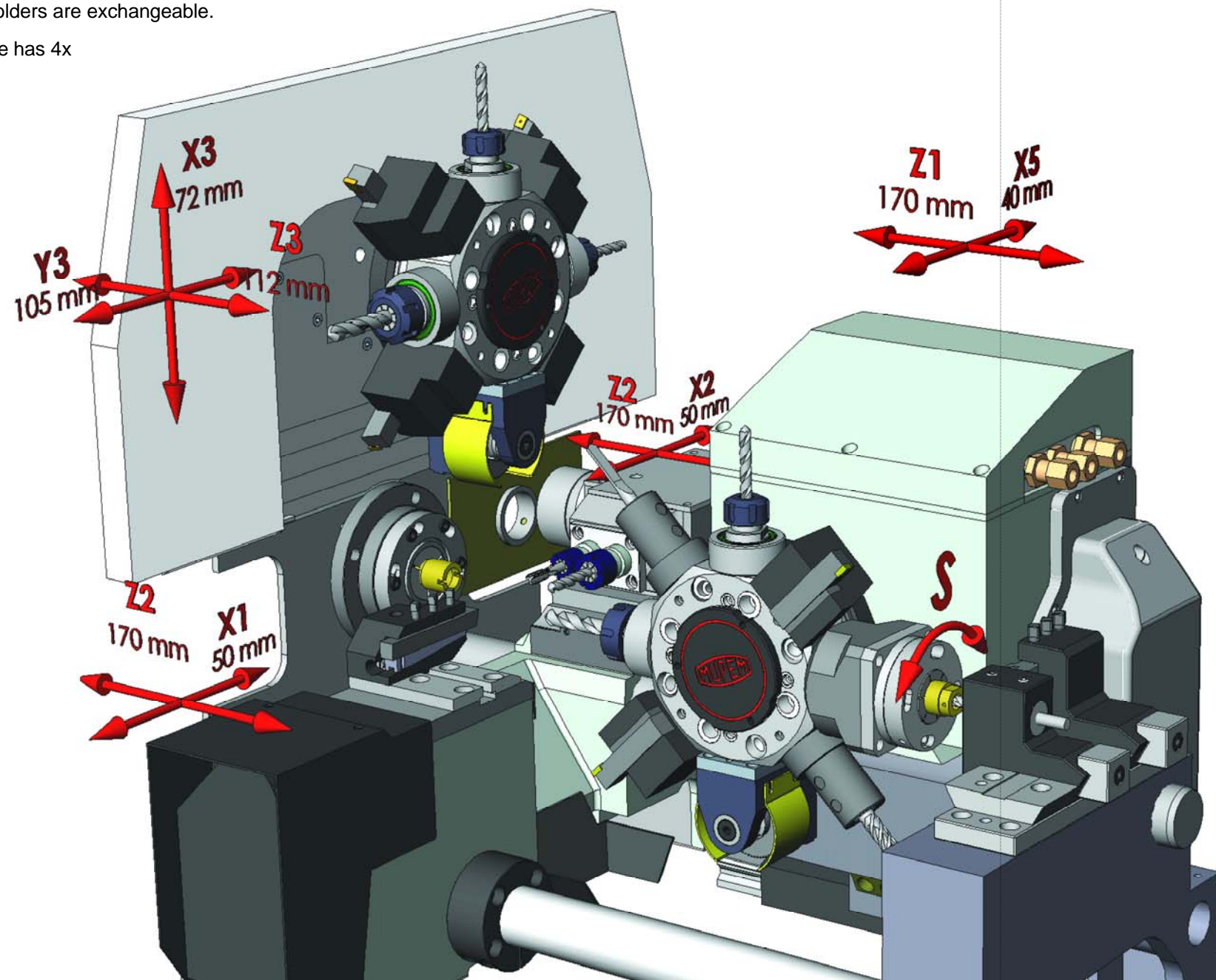
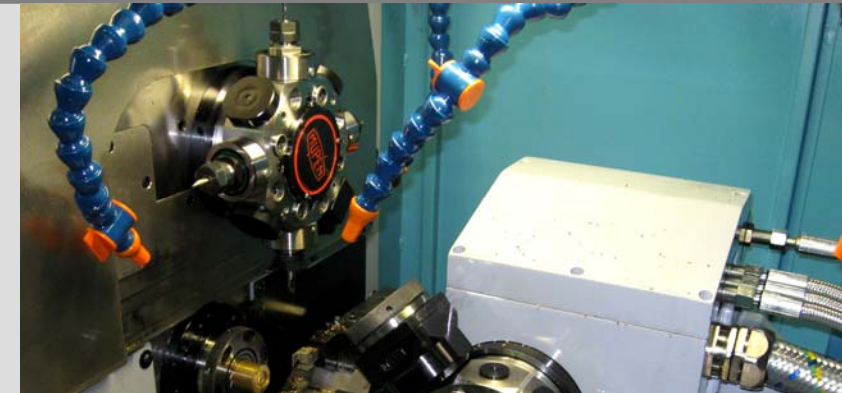
Able to drive up to 4 tools, 2 turrets and 2 slides can be used to work simultaneously on the main spindle.

Both, main and MAX turrets are exactly the same, so tool holders are interchangeable.

Every one has 4x

VDI-20 holes and y 4x 1-1/4" holes (adequate for a good torque transmission to live tools) .

All holes can be adapted to VDI-20 tool holders and offer through-tool cooling.



NEW LINEAR X AXIS

New MAGNAMAX equips a new linear X axis for the main turret with a stroke of 40 mm (-5/+35 mm) which is offered from now on for the whole MAGNA family.

New linear X axis allows working inner and outer zones by turning with commercial tools, out-of-center drilling and milling flat surfaces on the main spindle by using C axis control.

NEW SECOND OPERATION UNIT.

The enlarged stroke of the linear X axis permits a new simpler and tougher system for the second operation unit. It is compatible with the tool system of **MUPEM MIKRA**.

This system is based in a table with room for two tools which can be quick centered in fixed positions for drills or can be attached to offset positions for commercial turning tools. Now, external and internal turning operations can also be machined in both ends of parts.

Optionally, live tools can also be attached to the second operation unit, allowing to stop and lock the pickup every 15° ("S" axis).

MAGNAMAX is also available without X axis in the main turret. In this case, 2 and 3 tool drum systems can be equipped for centering, drilling and tapping in the center of pick-up.

MAGNAMAX

CNC multislide lathe



MAIN SPINDLE

- Tempered and grinded spindle.
- Ultra precision bearings with grease service life.
- Designed for DIN 6343 standard collets.
- High pressure hydraulic collect locking system.
- Bar passage available: 16 (mechanic collet locking only), 26 y 36 mm.
- Asynchronous vectorial motor. 5.5 / 7,5 kW.

BASEMENT

- Very strong perlitic cast iron basement..
- Perlitic cast iron is one of the best vibration absorbing materials for machine-tool.

GUIDING

- Nitrided and burnished guiding bars with a guaranteed surface hardness of 1000 Vickers.

OPTIONAL DEVICES

- Many optional devices adaptable to the machine for special and complex parts which require short cycle times:
- Thread milling and polygon turning device for the rear slide or embedded in MAX vertical turret (CNC).

- Standard and double transverse drilling system CNC controlled for horizontal slides.
- Synchronous subspindle instead of main turret with through-shaft part ejecting.
- Tailored device designing available to meet customer's requirements. Automatic handling and feeding also available under request.

Brass locker. 20 holes and both end machining. 2 holes out of center (Y axis)

Cycle time: 62"

