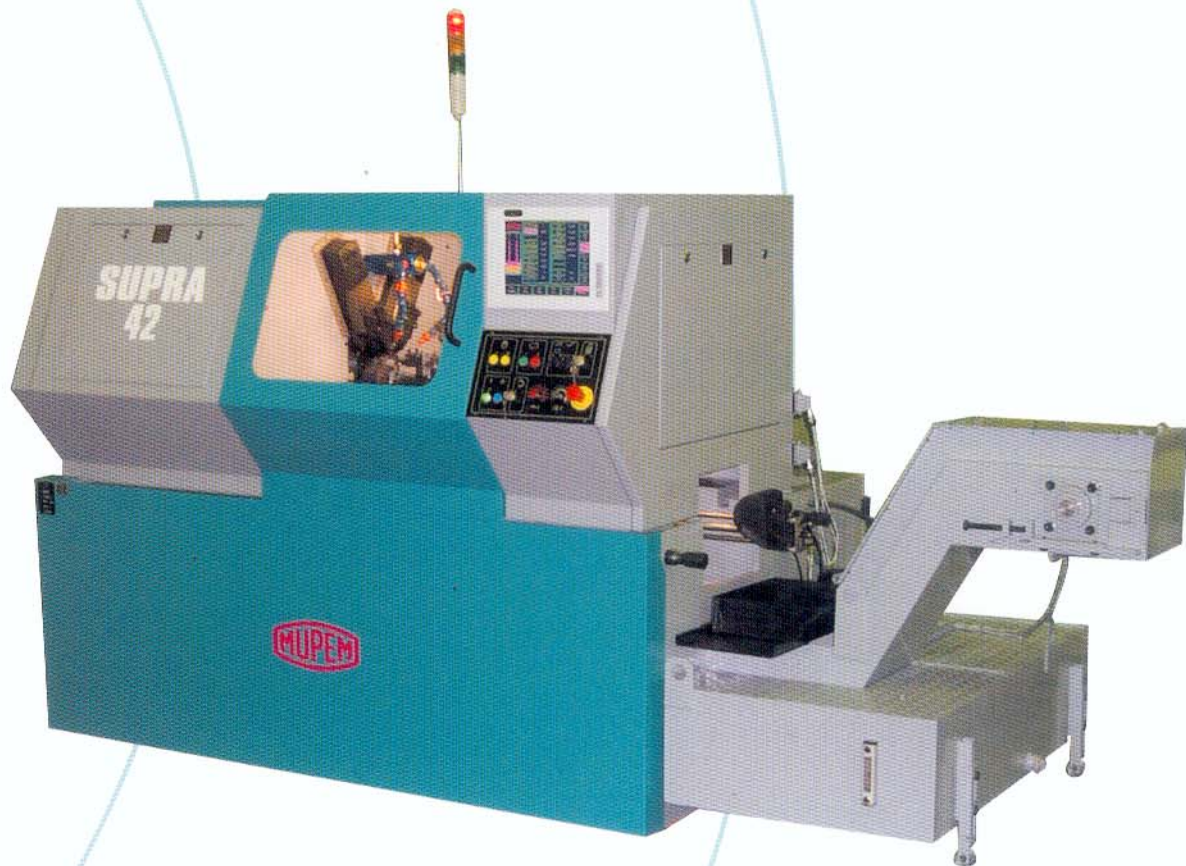




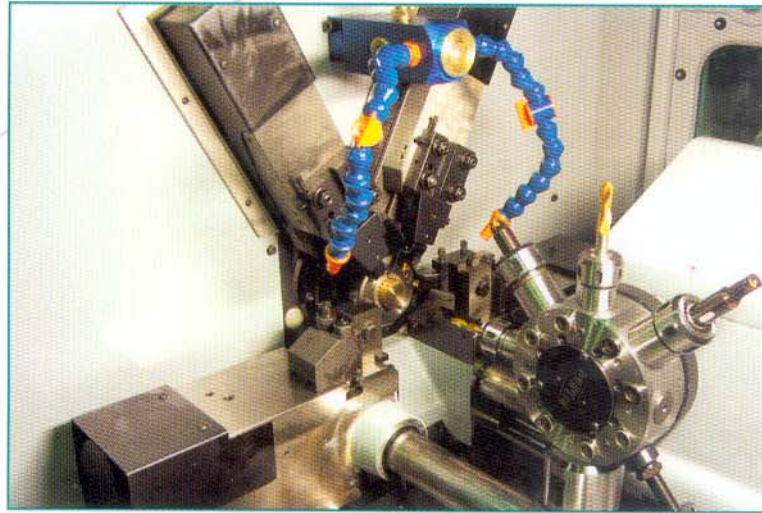
MUPEM



MULTISLIDES CNC LATHE

SUPRA 30/42/60/80

- *Extra swift and servocontrolled 8 positions turret...*
- *Two vertical slides ...*
- *Two horizontal slides sliding along the Z axis...*
- *6 CNC controlled axis... Up to five simultaneous tools...*
- *All slides are electrically driven with balls lead screws transmissions...*
- *It is possible to fit a synchronous counterspindle, ideal for tube cutting and chamfering...*



RADIAL SLIDES

The four radial slides (vertical and horizontal) are controlled through A.C. operations with encoder and feed rate regulation from the CNC.

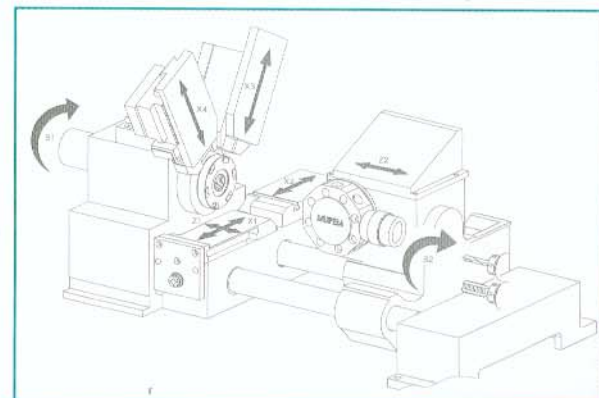
The movement is transmitted by the means of high precision balls lead screws and thanks to our exclusive control, they may work simultaneously.

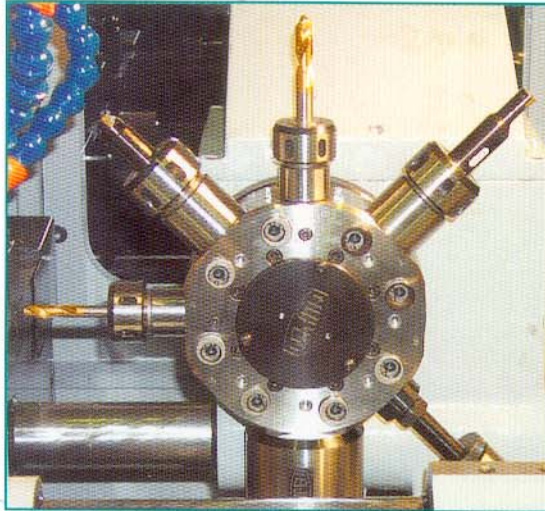
The horizontal slides may move along the Z and X axis, and by interpolating between both axis, we may have paralel turnings, conical turnings or even circular turnings. Up to five tools may be working simultaneously.



SPECIAL DEVICES

- 1/ Polygonal turning and threads milling device.
- 2/ Pick Up to part off without nipples or to work on the second operations unit.
- 3/ Rotating tools on the main turret.
- 4/ Second operations unit for one or two toolholders.
- 5/ Hydraulical clamping system.
- 6/ Stop and positioning of the main spindle.
- 7/ Cross drillind device.
- 8/ Swarf conveyor.
- 9/ Part catcher and extractor.



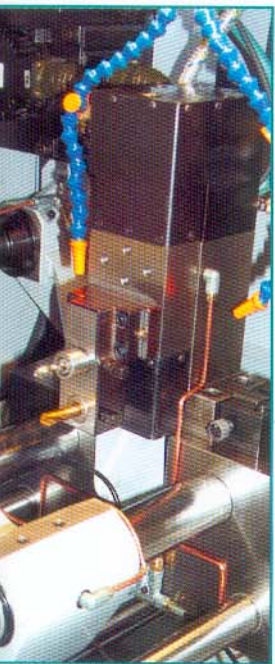


TURRET

Extra swift electrical 8 positions turret with bidirectional indexing. As an option, this turret may be fitted for driven tools along with a Pick Up device allowing finished parts on both sides when working with the second operations unit.

The driven tools allows fast drillings, differential tapings along with special devices like alternative saws and circular saws.

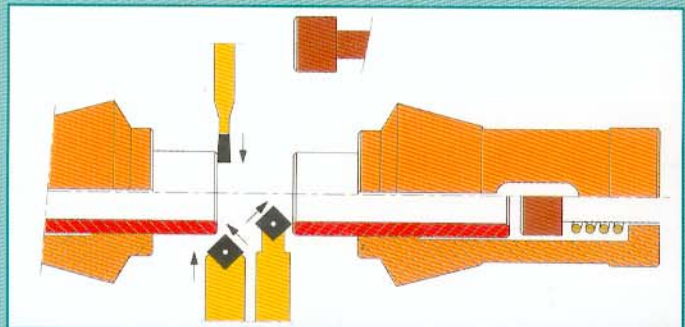
The Pick Up device has a collet whose diameter must be in accordance with the diameter of the part to be machined and spins synchronously, in order to catch up the part to, once it has been cut off, make a 180° indexing to finish the part against one of the toolholders on the second operation unit.



SYNCHRONISED COUNTERSPINDLE

The need for tube cutting and chamfering is covered with the mounting of a synchronous counterspindle instead of the main turret, in order to catch the part to cut it off and make external and internal chamfers on the back side of the part.

This spindle has the same bar passages than the main spindle, allowing the extraction of the part from the back side of the counterspindle.





HEADSTOCK	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Round bar maximum capacity	30 mm	42 mm	60 mm	80 mm
Spindle speed	5200 rpm	4000 rpm	3200 rpm	2000 rpm
MAIN OPERATIONS	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Operations type	Asynchronous with vectorial speed regulation			
Standard power 100/50 % ED.	7,5/11 kw			
TURRET'S SLIDE	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Number of tools	8			
Toolholders bore diameter	4 of 1"(25,4 mm) and 4 of 1 1/4" (31,75 mm)			
Z axis max. stroke	230 mm			
Indexing time	0,15 seg.			
DRIVEN TOOLS (AS AN OPTION)	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Number of driven tools	4			
Standard power	1,8 kw			
Max. speed	0-6000 rpm			
VERTICAL SLIDES	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Max stroke	45 mm			
Longitudinal manual adjustment	40 mm			
HORIZONTAL SLIDE	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Z axis max. common stroke	200 mm			
X axis max. independent stroke	45 mm			
SECOND OPERATIONS SYSTEM	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Needs motor driven turret				
Needs Pick Up device				
Working station for one / two toolholders				
SYNCHRONOUS SUBSPINDLE SYSTEM	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Z axis max. stroke	230 mm			
Collet max. diameter	30 mm	42 mm	60 mm	80 mm
COOLING SYSTEM	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Tank capacity	100 ltr			
Flow	50 ltr/min			
Pressure	2 bar			
MACHINE DIMENSIONS	SUPRA 30	SUPRA 42	SUPRA 60	SUPRA 80
Area	1700x1200 mm			
Approx. net weight	2500 kg			

CONSTRUCCIONES MECÁNICAS MUPEM, S.A.

Pol. Ind. de Itziar, G1 - E-20829 ITZIAR - DEBA (Gipuzkoa) P.O.BOX 71- E-20820 DEBA (Spain)
 Tlf.: (34) 943 199 192 / 943 199 222 / 943 199 252 / 943 199 282 / 943 199 312 Fax.: (34) 943 199 221
 E-mail: mupem@mupem.com