

## TORNITURA TURNING

HORIZONTAL	DIAMETER OVER THE CARRIAGE	DIAMETER OVER THE BED	DISTANCE BETWEEN CENTERS	WEIGHT BETWEEN CENTERS	ROTATING AXES (C)	VERTICAL AXES (Y)	TYPE	SUPPORTS	NUMERICAL CONTROL	MILLING UNIT	GRINDING UNIT	BORING UNIT	DIMENSIONAL TESTING HEAD	FLAT CUTTING UNIT	DIAMETRAL CUTTING UNIT	VISUAL DISPLAY UNIT
Tacchi HD4	2.400 mm	2.600 mm	12.000 mm	80 ton 150 ton on the base			Half hydrostatic 4 guide	n° 2 Steady rest	Siemens 840D			Antivibrating Sandvik 6.000 mm				
Tacchi FTD	2.400 mm	2.600 mm	14.000 mm	80 ton 150 ton on the base			Half hydrostatic 4 guide	n° 2 Steady rest	Siemens 840D			Antivibrating Sandvik 6.000 mm				
SAFOP Leonard 60/1800	1.800 mm	2.200 mm	15.800 mm	25 ton 90 ton on the base	High precision ± 6"	Vertical ± 50 mm	Hydrostatic 4 guide	n° 8 Hydrostatic steady rest	Siemens 840D	Frontal and longitudinal	Grinding wheel Ø 750	Antivibrating Sandvik 4.000 mm	Marposs			
SAFOP Leonard 60/1600	1.600 mm	1.690 mm	20.000 mm	18 ton 70 ton on the base			Half hydrostatic 4 guide	n° 11 Steady rest / hydrostatic	Siemens 840D-SL	Frontal and longitudinal	Grinding wheel Ø 600	Antivibrating Sandvik 4.000 mm	Renishaw			
OMG Zanoletti multitask 1300	1.400 mm	1.700 mm	10.500 mm	25 ton 35 ton on the base			Half hydrostatic 4 guide	n° 7 Steady rest / hydrostatic	Siemens 840D-SL		Grinding wheel Ø 600	Antivibrating Sandvik 4.000 mm				
Progres P6000	6.000 mm	6.000 mm	15.000 mm	150 ton			Combined	n° 7 Steady rest / hydrostatic	Siemens 840D-SL	Heavy milling support				Slotting Disc Ø1000		
PBR TB400	600 mm	800 mm	6.500 mm	5 ton			Turcite	n° 4 Steady rest								Anilam
PBR TB300	400 mm	600 mm	3.500 mm	3 ton			Turcite	n° 2 Steady rest								Anilam

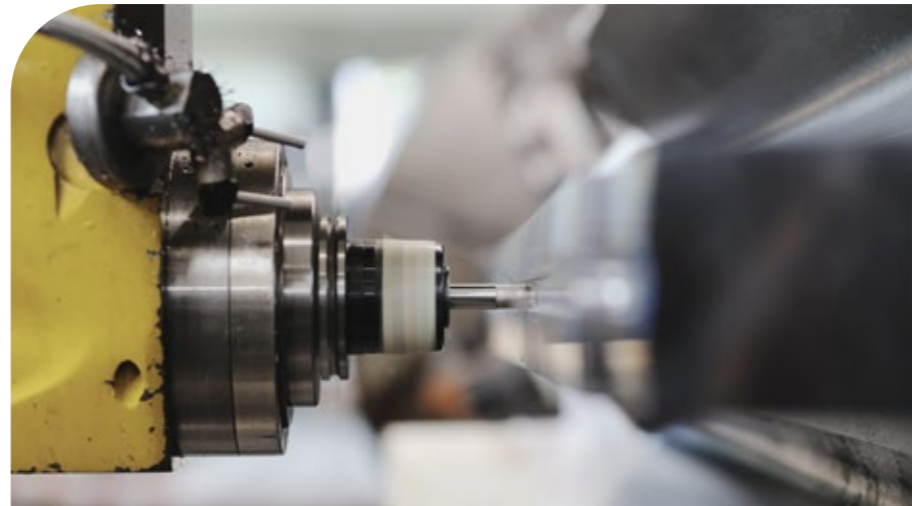
## TORNITURA TURNING

VERTICAL	PLATUE DIAMETER	DIAMETER ADMITTED IN ROTATION	TURNING DIAMETER	MAZ TURNING HEIGHT	MAX HEIGHT TRANSITION PIECE	SPINDLE MOTOR	MAX ROTATION SPEED	TRANSVERSAL SHAFT	NUMERICAL CONTROL	RAM TRIP	RAM SECTION	TOOL CHANGE	CHIP CONVEYOR	INTEGRAL ENCSING	TOTAL WEIGHT	WEIGHT ON THE BASE
Castor-Nomo TVCN 245	2.000 mm	2.450 mm	2.450 mm	1.800 mm	2.050 mm	87 Kw	250 rmp	1.200 mm	FANUC 18i/T	900 mm	D260 mm	12 positions	Yes	Yes	55 ton	12 ton
GRINDING	DIAMETER OVER THE CARRIAGE	DIAMETER OVER THE BED	DISTANCE BETWEEN CENTERS	WEIGHT BETWEEN CENTERS	CENTER PRESSURE CONTROL	BED	TYPE	SUPPORTS	NUMERICAL CONTROL	FOR INTERNAL SURFACES	Ø GRINDER	BORING UNIT	DIMENSIONAL TESTING HEAD	SEMI-AUTOMATIC	MILLITRON	VISUAL DISPLAY UNIT
Cincinnati	600 mm	600 mm	4.500 mm	1.500 kg	Yes	Turcite	Oil lubricated	n° 3 Steady rest	Manual	No	800 mm		No	Yes	Yes	Digital
Gioria	400 mm	400 mm	2.500 mm	800 kg	No	Turcite	Oil lubricated	n° 2 Steady rest	Manual	Yes	400 mm		Marposs	Yes	Yes	Analogic



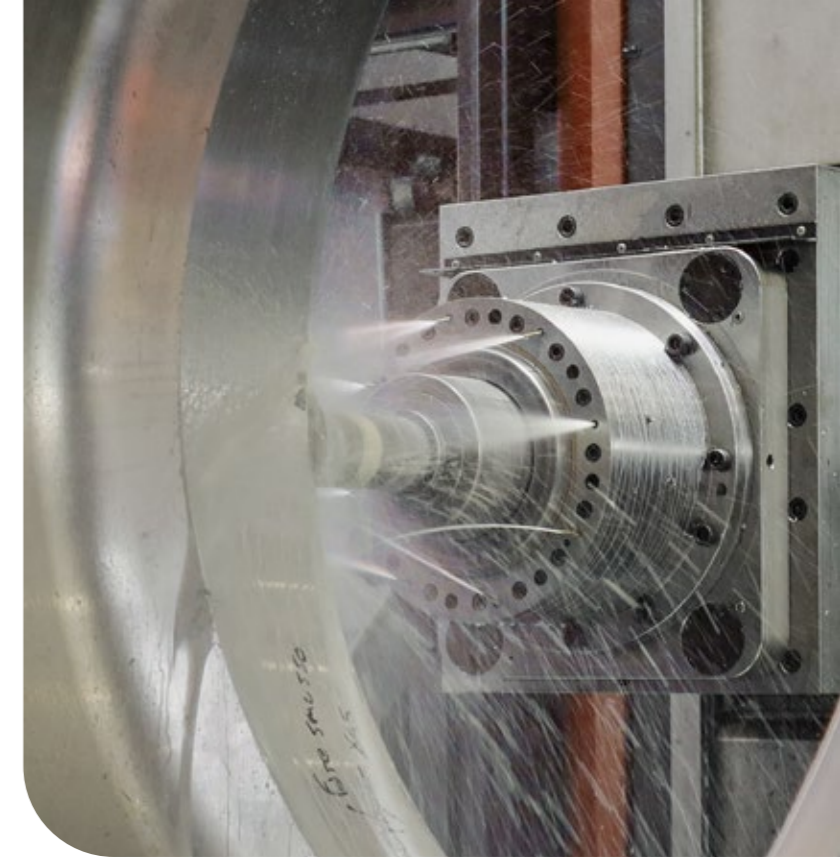
## FRESATURA MILLING

MILLING & BORING	LENGHT	HEIGHT	RAM EXIT	BORING EXIT	BORING UNIT DIAMETER	SPINDLE POWER	SPINDLE TORQUE	TABLE DIMENSIONS	STOLLE DIMENSIONS	TABLE TRANSLATION	WEIGHT OVER THE TABLE / STOLLE	HORIZONTAL ROTATING TABLE	TYPE	RAPID	SUPPORTS	NUMERICAL CONTROL
Boring Soraluze FXR-18000-W	18.000 mm	6.500 mm	1.900 mm	1.000 mm	180 mm	101 Kw	12.000 Nm	3.000 x 3.000 mm	3.000 x 19.000 mm	2.000 mm	60 / 200 ton	High precision $\pm 6''$	Linear guides	25.000	Several	Siemens 840D SL Mdynamics
Boring-milling Colgar FRAL 400	12.000 mm	4.000 mm	1.250 mm	900 mm	150 mm	60 Kw	4.000 Nm	3.000 x 3.500 mm	2.500 x 7.000 mm	2.000 mm	45 / 200 ton	High precision $\pm 6''$	Linear guides	15.000	Several	Siemens 840D
Boring-milling Zayer KCU 8000	8.000 mm	3.000 mm	1.200 mm	Fisso 470 mm	95 mm	35 Kw	600 Nm	1.600 x 1.800 mm	2.000 x 9.000 mm	1.500 mm	12 / 50 Ton	High precision $\pm 6''$	Linear guides	20.000	Several	Siemens 840D
Milling Mecof	5.500 mm	1.500 mm	3.000 mm			30 Kw	500 Nm		3.000 x 5.000 mm		0/ 100 Ton		Linear guides	15.000	Several	Fidia M20



## FRESATURA MILLING

MILLING & BORING	HEAD ACCESSORIES	HEAD CHANGER	GRINDING UNIT	BORING RANGE	ROTATION SPEED MULTIPLIER	DIMENSIONAL TESTING HEAD	REFRIGERATING PRESSURE	TOOLS CHANGE	MAX ROTATION SPEED
Boring Soraluze FXR-18000-W	Universal	Automatic			1/3 and 1/5		20 bar	80 pos	3.000 rpm
Boring-milling Colgar FRAL 400	Universal	Automatic					20 bar	80 pos	3.000 rpm
Boring-milling Zayer KCU 8000	Universal 360.000 pos	Automatic	Internal			Renishaw	16 bar	40 pos	3.000 rpm
Milling Mecof	Universal + Electric mandrel	Automatic	Internal		24.000 rpm	Renishaw	Indirect	24 pos	4.000 / 24.000 rpm

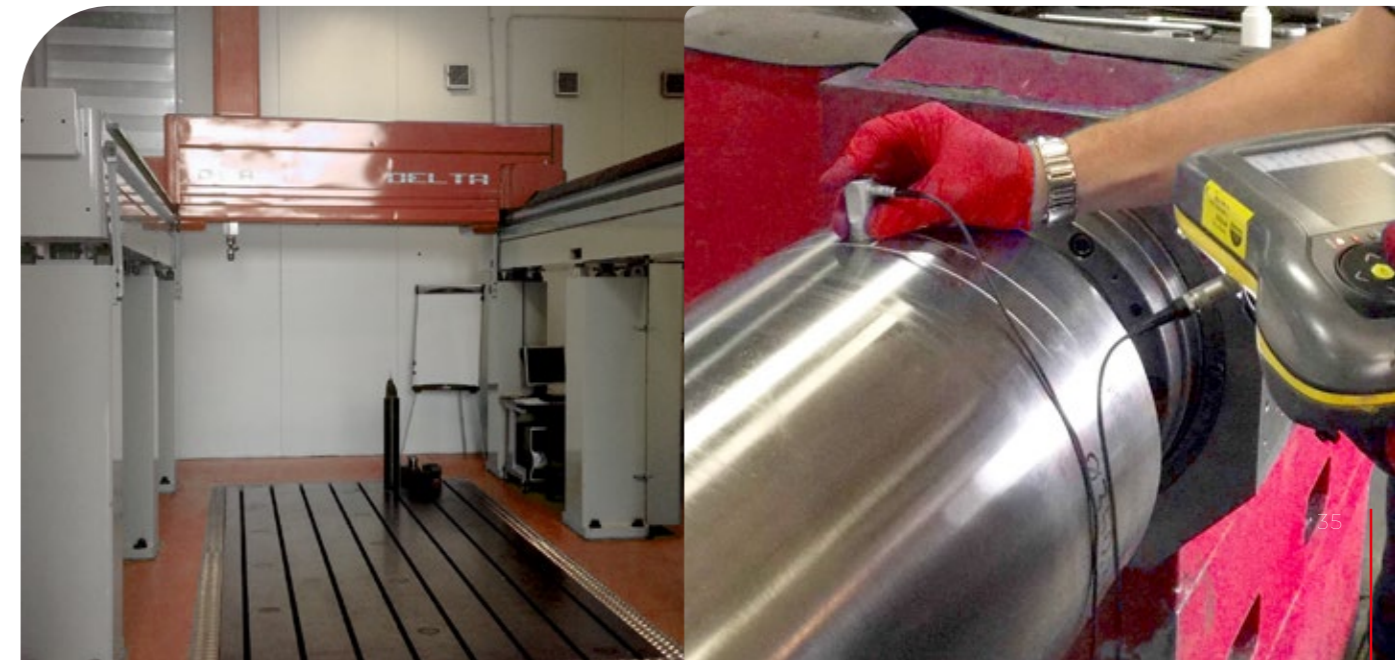


# Macchinari / Machinery

## CONTROLLO QUALITÀ QUALITY INSPECT

	LENGHT	WIDTH	HEIGHT	HEAD	OPTICAL LINES	CNC	PRECISION	PROG. TYPE	STOLLE DIMENSIONS	MAX WEIGHT ON STOLLE	SOFTWARE	PROBING SYSTEM	PROBING HEAD	CONDITIONING CHAMBER	SUPPORTS	LOAD
DEA - DELTA	5.000 mm	2.000 mm	1.500 mm	Motorized Renishaw	Double	PC D mis	0.005 / 1000 mm	Online & Offline	5.000 x 2.000 mm	50 ton	DMISGEN	PH10M	TO20 (tactile)	Yes	Cubes	Frontal
	CRANE	REPORT														
DEA - DELTA	Yes	Yes														

	TYPE	TYPE	TYPE	TYPE
NDT	PT - L2	MT - L2	UT - L2	VT - L2



## CARPENTERIA METAL STEELWORK

	LENGHT	WIDTH	HEIGHT	QUANTITY	TYPE	PRESSURE	Ø	OPTIONS	CERTIFICAT.
Submerged Arc	14.000 mm	2.500 mm	5.000 mm	2					ISO 3834-2
Welders				15	TIG - MIG - MAG				ISO 3834-2
Preheating Oven	2.000 mm	1.200 mm	6.000 mm	3	Radiation		1.200 mm	Mobile	ISO 3834-2
Press					Hydraulic	300 ton		Translation	
Shrinking			6.000 mm		Induction / Nitrogen	300 ton	1.000 est.	Hot	





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