



## TURNING

HORIZONTAL	Diameter over the carriage	Diameter over the bed	Distance between centers	Weight between centers	Rotating axes ( C )	Vertical axes ( Y )	Type	Support	Numerical control	Milling unit	Grinding unit	Boring unit	Dimensional testing head	Flat cutting unit	Diametral cutting unit	Visual display unit	
<b>Tacchi HD4</b>	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					
<b>SAFOP Leonard 60/1800</b>	1.800 mm	2.200 mm	15.500 mm	40 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				
<b>SAFOP Leonard 60/1600</b>	1.600 mm	2.000 mm	16.500 mm	30 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				
<b>OMG Zanoletti multitask 1300</b>	1.300 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					
<b>Leopoldo Pontiggia</b>	1.250 mm	1.600 mm	15.000 mm	15 ton			Half hydrostatic 4 guide	n° 8 Steady rest / hydrostatic	Siemens 820 T		Grinding wheel Ø 600	Antivibrating Sandvik 4.000 mm					
<b>Progres P6000</b>	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			
<b>PBR TB400</b>	600 mm	800 mm	6.500 mm	5 ton			Turcite	n° 4 Steady rest				Antivibrating Sandvik 1.000 mm				Anilam	
<b>PBR TB300</b>	400 mm	600 mm	3.500 mm	3 ton			Turcite	n° 2 Steady rest									Anilam
VERTICAL	Plateau diameter	Diameter admitted in rotation	Turning Diameter	Max 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	
<b>Castor-Nomo TVCN 245</b>	2.000 mm	2.450 mm	2.450 mm	1.800 mm	2.050 mm	87 Kw	250 rpm	1.200 mm	FANUC 18/T	900 mm	D260 mm	12 posizioni	SI	SI	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	Semiautomatic	Millitron	Visual display unit	
<b>CINCINNATI</b>	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	
<b>GIORIA</b>	400	400	2.500 mm	800 Kg	No	Turcite	Oil lubricated	n° 2 Steady rest	Manual	Yes	400 mm		Marposs	Yes	Yes	Analogic	

## BORING AND MILLING

	Length	Height	RAM exit	Boring Exit	Boring unit diameter	Spindle power	Spindle Torque	Table dimensios	Stolle Dimensions	Table translation	Weight over the table / stolle	Horizontal rotating table	Type	Rapid	Supports	Numerical control	Head accessories	Head changer	Grinding unit	Boring Range	Rotation speed multiplier	Dimensional testing head	Indefiniding pressure	Tools magazine	Max rotation speed
<b>Alesatrice Soraluze FXR-18000-W</b>	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 ± 6"	Linear guides	25.000	Several	Siemens 840D SL M-dynamics	Universal	Automatic			1/3 and 1/5		20 bar		3.000 rpm
<b>Fresa-Alesatrice Zayer KCU 8000</b>	8.000 mm	3.000 mm	1.250 mm	fiiso 600 mm	190 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 ± 6"	Linear guides	20.000	Several	Siemens 840D	Universal 360.000 pos	Automatic	Internal			Renishaw	16 bar	40 pos	3.000 rpm
<b>Mecof</b>	5.500 mm	1.500 mm	3.000 mm			30 kW	560 Nm		6.000 X 3.000		0 / 100 ton		Linear guides	15.000	Several	Fidia M20	Universal + Electric mandrel	Automatic	Internal		24.000 rpm	Renishaw	Indirect	24 pos	4.000 / 24.000 rpm

QUALITY CONTROL																									
	Length	Width	Height	Head	Optical lines	CNC	Precision	Prog. Type	Stolle dimensions	Max weight on stolle	Software	Probing system	Probing head	Conditioning chamber	Supports	Load	Crane	Report	Type	Type	Type	Type			
NDT																				PT - L2	MT - L2	UT - L2	VT - L2		
DEA - DELTA	5.000 mm	2.000 mm	1.500 mm	Motorized Renishaw	Double	PC 0 mis	0,005/1000 mm	Online + Offline	5.000 X 2.000	50 ton	DMISGEN	PH10M	TP20 (tattle)	Yes	Cubes	Frontal	Yes	Yes							

METAL STEELWORK																									
	Length	Width	Height	Qualifications	Quantity	Type	Ø	Pressure	Options	Certifications															
SUBMERGED ARC	34.000 mm	2.500 mm	5.000 mm	X	2					ISO 3834-2															
WELDERS				X	15	TIG - MIG - MAG				ISO 3834-2															
PREHEATING OVEN	2000	1200	6000		3	Radiation	1200		Mobile	ISO 3834-2															
PRESS						Hydraulic		300 ton	Translation																
SHRINKING			6.000 mm			Induction/Nitrogen	1.000 est.		Hot /																

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