

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
SAFOP Leonard 60/1800	1.800 mm	2.200 mm	15.500 mm	40 tons 90 tons on the base	High precision ± 6"	Vertical ± 50 mm	Hydrostatic 4 guide	n° 8 Steady rest Hydrostatic	Siemens 840D	Frontal and longitudinal	Grinding wheel Ø 750	Sandvik 4.000 mm	Marposs			
SAFOP Leonard 60/1600	1.600 mm	2.000 mm	16.500 mm	30 tons 70 tons on the base			Half hydrostatic 4 guide	n° 11 Steady rest / Hydrostatic	ECS 2302	Frontal and longitudinal	Grinding wheel Ø 600	Sandvik 4.000 mm	Renishaw			
OMG Zanoletti multitask 1300	1.300 mm	1.700 mm	10.500 mm	25 tons 35 tons on the base			Half hydrostatic	n° 7 Steady rest / Hydrostatic	Siemens 840D		Grinding wheel Ø 600	Sandvik 4.000 mm				
Leopoldo Pontiggia	1.250 mm	1.600 mm	15.000 mm	15 tons			Half hydrostatic	n° 8 Steady rest / Hydrostatic	Siemens 820 T		Grinding wheel Ø 600	Sandvik 4.000 mm				
Progres P6000	6.000 mm	6.000 mm	15.000 mm	150 ton			Combined	n° 7 Hydrostatic saddles / Rolls	Siemens 840D5L	Heavy milling support				Disc Ø1000		
PBR TB400	600 mm	800 mm	6.500 mm	5 tons			Turcite	n° 4 Steady rest				Sandvik 1.000 mm				Anilam
PBR TB300	400 mm	600 mm	3.500 mm	3 tons			Turcite	n° 2 Steady rest								Anilam
Colombo	950 mm	1.100 mm	4.500 mm	8 tons			Turcite	n° 2 Steady rest								Anilam

VERTICAL	Plateau diameter	Turning diameter	Diameter admitted in rotation	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 encasing	Total weight	Weight on the base
Castor-Nomo TVCN 245	1.800 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	YES	YES	55 tons	12 tons

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
CININNATI	600 mm	600 mm	4.500 mm	1.500 Kg	Yes	Turcite	Oil lubricated	n° 3 Steady rest	Manual	No	800 mm	Antivibration Sandvik 4.000 mm	No	Yes	Yes	Digital
GIORIA	400	400	2.500 mm	800 Kg	No	Turcite	Oil lubricated	n° 2 Steady rest	Manual	Yes	400 mm	Antivibration Sandvik 4.000 mm	Marposs	Yes	Yes	Analogic

BORING & MILLING

	Length	Height	RAM exit	Boring exit	Boring unit diameter	Spindle power	Spindle torque	Table dimensions	Stolle dimensions	Table traslation	Weight over the table	Horizontal rotating table	Type	Rapid	Supports	Numerical control	Head accessories	Head changer	Grinding unit	Boring range	Rotation speed multiplier	Dimensional testing head	Refrigerating pressure	Tools magazine	Max rotation speed	
Soraluce 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 ton	High precision ± 6"	Linear guides	9.000	Several	Siemens 840D SL Modynamics	Universal, square	Automatic			1/3 e 1/5		20 bar		3.000 rpm	
Zayer KCU 8000	8.000 mm	3.000 mm	1.250 mm	fisso 600 mm	190 mm	35 Kw	600 Nm	1.600 X 1.800 mm	2.000 X 9.000 mm	1.500 mm	12 ton	High precision ± 6"	Roller skate	20.000	Several	Siemens 840D	Universal 360.000 pos	Automatic	Internal				Renishaw	16 bar	40 pos	3.000 rpm
Novar	2.500 mm	1.500 mm	1.000 mm					1.000 X 1.000	4.000 X 1.000				Turcite	9.000	Several	ECS 2301	Universal 2' / 2"									2.000 rpm
Mecof	5.500 mm	1.500 mm	3.000 mm			30 kW	560 Nm		6.000 X 3.000		60 ton		Roller skate	15.000	Several	Fidia M20	Universal + Elettric 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 D mis	5+(6 L/1000)	Online + Offline	5.000 X 2.000	50 ton	DMISGEN	PH10M	TP20 (tattile)	Yes	Cubes Crossbars	Frontal	Yes	Yes							

METAL STEELWORK

	Length	Width	Height	Qualifications	Quantity	Type	Ø	Pressure	Options	Certifications															
SUBMERGED ARC	14.000 mm	2.500 mm	5.000 mm	X	1					ISO 3834															
WELDERS				X	15	TIG - MIG - MAG				ISO 3834															
PREHEATING OVEN	2.000 mm				1	Radiation				ISO 3834															
PRESS						Hydraulic		300 ton	Traslation	ISO 3834															
SHRINKING			6.000 mm			Induction/Nitrogen	1.000 ext.		Het / Cold	ISO 3834															