

## Technical Capacity

Main Products	Hydraulic Cylinders And Pneumatic Cylinders	Maximum Capacity
Surface Treatment	Hard Chrome Plating	Ø1.500 : 16.000 mm
	Strike Nickel / Semi-Bright Nickel Plating	Ø800 : 11.000 mm
	Rectifier (total)	137.500 A
	Stress Relieving	2.000 x 2.000 x 2.000 mm ; Ø300 x 9.000 mm
	Shot Blasting	
Surface Preparation	Inside Honing	Ø1.600 : 23.000 mm
	Outside Honing	Ø1.000 x 16.000 mm
	Centerless Polishing	Ø50 ~ Ø100 mm
	Polishing	Ø1.600 : 16.000 mm
	Surface Grinding	300 x 900 mm
	Cylindrical Grinding	Ø800 x 6.000 mm
Machining	Saw	Ø1.000 mm
	Oxy Acetilene Flame Cutting	1.500 x 8.000 x 600 mm
	Turning with CNC	Ø1.300 x 8.000 mm
	Turning with CNC ( +Y+C axes + live tool )	Ø800 x 4.900 x 200 mm x 0,001°
	Horizontal Machining with CNC	1.100 x 700 x 900 mm x 0,001°
	Vertical Machining with CNC (+90° angle head)	4.000 x 2.500 x 2.000 x 1.200 mm x 1°
	Milling	1.600 x 400 mm
	Vertical Turning	Ø3.150 x 2.500 x 1.200 mm
	Turning	Ø2.000 : 20.000 mm
	Boring	1.200 x 2.000 x 3.000 mm
	Boring With CNC	2.000 x 1.800 x 1.600 x 500 mm
	Drilling	Ø5 x 6.000 mm
	Deep Hole Boring	Ø1.000 x 12.000 mm
Welding	135 Metal-Arc Welding With Active Gas Shield	500 A
	136 Flux Cored Metal-Arc Welding With Active Gas Shield	500 A
	111 Metal-Arc With Covered Elecrode Welding	300 A
	141 TIG Welding	375 A
	121 Submerged Arc Welding	1.000 A
CAD/CAM	CAD	SOLID WORKS, SPACECLAIM, AUTOCAD LT
	CAM	CIMATRON
ANALYSE	FEA	ANSYS MECHANICAL
	CFD	ANSYS FLUENT
Measuring	CMM	0~600 mm
	Thickness Measuring	0~500 µm
	Caliper	0~3.000 mm
	Preasure Gauge	0~1.250 BAR
	Thread Gauge	M, R, NPT, UNF
	Spectral Analysis	Cu~Fe~Al
	Micrometer	0~2.000 mm
	Depth Micrometer	0~75 mm
	Thread Micrometer	25~350 mm
	Roughness Testing	Ra, Rz, Rt, Rmax, Rmr
	Hardness Testing	HRB, HRC, HRV
	Coating Hardness Testing	HRB, HRC, HRV
	Torque Limitter	2.300 Nm
	PT Dye Penatration Test	Level 2
	MT Magnetic Particle Test	Level 2
	UT Ultrasonic Test	

NOTE: "x" means "and" , ":" means "or" .