



**MACHINE-TOOLS
WORKSHOP**

MACHINES	TRAVELS			TOOL CONNEC- TION	POWER	ROTATION	TYPE	
	X	Y	Z					kw
HIGH DIMENSIONS MILLING								
Mecof Dynamill	4000	3000	1250	SA50/hsk63	22	30000	Continuous 5 axis / 5 axis	
Jobs 141	3400	2500	1250	ISO50	26	9000	Continuous 5 axis	
Jobs Jomach 243	4450	2700	1250	ISO50	26	9000	Continuous 5 axis	
Mecof M3	4000	1250	1970	SA50	30	4000 / 21000	5 axis	
LINE Gicamill	7000	2100	1500	HSK63	42	30000	Continuous 5 axis	
CMS ARES 36	3600	1800	1200	HSK63	15	12000	Continuous 5 axis	
Rambaudi 2001MM	4000	2050	1500	SA50	40	2200	3 axis high power	
FPT dinomax 2	4000	2700	1500	HSK63	30	18000	Continuous 5 axis	
DIGMA HSC800	500	500	450	HSK50		40000	Continuous 5 axis	
SMALL AND MEDIUM MILLING								
MICROCUT 1000 machining center	1000	650	650	HSK63	30	18000	HSM 3 axis - 30bars spindle center	
DAHLIH 1200 machining center	1200	600	500	SA40	30	15000	HSM 3 axis + diviseur - 30bars spindle center	
DAHLIH 720 machining center	720	460	510	SA40	30	8000	HSM 3 axis - 30bars spindle center	
HURON KX30 milling machine	1800	1000	550	HSK63	70	24000	HSM 3 axis - 50bars spindle center	
ANAYAK VH2200	2000	920	800	ISO 50	35kw	2000	3 axis	
MULTIPROCESS LATHING-MILLING								
	Diam max	X	Y	Z				
IBARMIA ZVH55-3000 Multiprocess	1100	3000	800	1100	HSK100	85	12000	Continuous 5 axis Center watering 70bars - Drilling of holes up to 60xD



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	X	Y	Z				
LATHING	Diam max	Y	Length- max				
Lathe CN MAZAK	212	Non	1000			5000	
Lathe CN DELTAMAB 400	420	Oui	1280			4500	4 axis
DOOSAN LINX 300	250	Non	790			3500	
DOOSAN PUMA 3000	425	Oui	1280			2800	4 axis

WATERJET CUTTING

LDSA WJ11 40.20 1T	2000	4000	350	4000 bars pressure - 5 axis Steel/stainless steel: max cutting thickness 120mm Aluminium : max cutting thickness 160mm			
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ELECTROEROSION

AGIE AT3U	420	320	350				
AGIE AT Compact 2	350	250	350				

3D CONTROL

MMT 3D - Stiefelmayer	3500	2000	2000	NA	NA	NA	Manual - Accuracy: 0.050
MMT 3D - DEA	700	1000	700	NA	NA	NA	Automatic - Accuracy: 0.004
MMT 3D - COORD 3	700	1100	500	NA	NA	NA	Automatic - Accuracy: 0.005
TRACKER LASER	Scope of action 80m						Accuracy: 0.02+0.01/m
Portable measuring arm	Scope of action 1.35m						Accuracy: 0.030
Digital Profile projector	300	200	75				Automatic - Accuracy: 0.005

INFRASTRUCTURE

Saw a Ruban KASTO	ø530mm max cut or 640x530mm max rectangle Bar length up to 12m						
Saw a Ruban AMADA	ø260mm max cut Bar length up to 7m						
9 Crane bridges	Max hook height = 6m	-	30 T	-	Dual chain hoists		

COMPOSITES MANUFACTURING

Lay-up room	100m², 20°C air -conditioned, hygrometric control, no overpressurization						
Oven 1	2mx2.5mx4m, 250°C, class 5						
Oven 2	0.4m3, 300°C, class 5						
Press	540x550mm, 200°C, 15T						
Injection mean	RTM/LRI, 10L, 3bars, 100°C						
Autoclave	Class 5 certified, Diam. (useful) 1.5m, Length 4m, Load (max) 1.5T Temperature 200°C (max. 250°C), Pressure (max) 10bars						
Misc.	Dedicated overhead crane, Vacuum central & pump, Cooling storage and chemical rack						