

**MANUFACTURING RESOURCES FOR METALLIC PARTS (\*) - FACILITY: AEROTECNIC METALLIC**

CNC MACHINING	QUANTITY	TECHNOLOGY	MATERIALS	TRAVELS (mm)		
				X	Y	Z
MAZAK VTC300C-II	1	3X	SOFT	1800	800	700
CINCINNATI CFV 1300i	1	3X	SOFT	1300	500	700
MAZAK VCN530-II	2	3X	HARD	1100	550	570
TRAVIS M-1000S	1	3X	HARD	1000	500	500
MAZAK VCS530c	3	4X	SOFT	1000	500	500
MAZAK VCN530c	1	4X	SOFT	1000	500	500
MAZAK HCN4000-II	1	4X	HARD	630	560	500
MAZAK HCN4000-III	1	4X	HARD	630	560	500
MAZAK VTC800-30sr	2	4X	SOFT	3000	800	720
MAZAK VARIAXIS J600	1	5X	SOFT	850	550	580
MAZAK VARIAXIS C700	1	5X - 6 PALLETS	SOFT	860	600	500
MAZAK VARIAXIS I800	2	5X	HARD	730	850	560
MATSUURA MX520	2	5X	HARD	630	560	510
MATSUURA MX520 PC4	2	5X - 4 PALLETS	HARD	630	560	510
MATSUURA MX850 PC4	1	5X - 4 PALLETS	SOFT	900	780	650
MAZAK VARIAXIS I600	2	5X	HARD	510	910	610
MAZAK VARIAXIS J500	1	5X	SOFT	350	550	560
DNS DHF8000	1	5X - 2 PALLETS	SOFT	1450	1200	1500
MAZAK VARIAXIS I-1050	2	5X	HARD	1200	1385	900
CMI PPF510 - 5420	1	5X	SOFT	5420	2400	900

CNC TURNING	QUANTITY	TRAVELS (mm)	
		DIAMETER	LONG
MAZAK QTN250-II M	4	380	500
DMG MORI NLX2500/700	2	420	700

CMM (Measurement & Inspection)	QUANTITY
DEA GLOBAL (700 -1000 -700)	1
DEA GLOBAL S GREEN (1200 - 3000 - 1000)	1

**MANUFACTURING RESOURCES FOR SHEET METAL PARTS (\*) - FACILITY: AEROAVANCE**

RESOURCES	QUANTITY	TECHNOLOGY	TRAVELS (mm)		
			X	Y	Z
CNC MILLING AND DRILLING	1	3X	4000	1500	500
CNC MILLING AND DRILLING	1	3X	4000	2000	500
CNC MILLING	1	3X	1300	550	700
CNC MILLING	1	3X	1350	350	500
WATERJET CUTTING 3X	1	4000 BAR	3000	1500	
WATERJET CUTTING 3X	1	6000 BAR	4000	2000	
LASER CUTTING 3X	1	3 KW	3000	1500	
FOLDING MACHINE	1	30 TN	3000		
FOLDING MACHINE	1	30 TN	2100		
FOLDING MACHINE	1	30 TN	1270		
HYDRAULIC CUSHION PRESS	1	60 TN	600	600	
DEBURRING MACHINE	1		1200		

**MANUFACTURING RESOURCES FOR COMPOSITE STRUCTURES (\*) -- FACILITY: AEROTECNIC COMPOSITES**

CLEAN ROOM	AREA (M2)
	450

CNC CUTTING PLIES & KITTING (LECTRA VECTOR IX)	TRAVELS (mm)	
	Y	Z
	1830	25

LASER POSITIONING SYSTEM TO LAYUP	VIRTEK IRIS 3D System
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AUTOCLAVE	DIAMETER (m)	LENGTH (m)	PRESSURE (BARG)	TEMPERATURE (° C)	VACUUM (BAR)
OLMAR ATC-3300/11500	3	10	10	200	0,95

OVEN	WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)	TEMPERATURE (° C)
DYCOMETAL	1000	3800	1500	200

RESIN TRANSFER MOLDING & LIQUID RESIN INFUSION	QUANTITY	RESIN TANK (L)	VACUUM (mBAR)	INJECTION PRESSION (BAR)	TEMPERATURE (° C)
ISOJET	1	50	1	10	150

PORTABLE COMPOSITES REPAIR STATION	CONTROLS	PRESSURE (BAR)	VACUUM (BAR)	TEMPERATURE (° C)
SICOTEVA CRC System Plus Z2	5 TEMP + 1 VACCUUM PROBES	10	1,01	200

CNC MACHINING	QUANTITY	TECHNOLOGY	TRAVELS (mm)			R.P.M.
			X	Y	Z	
ENTECH GANTRY	1	5X	14000	4400	1500	6000
BERMAQ CR	1	5X	7500	4300	1300	9000
CMI FGD310-7000	1	3X	7000	2500	500	2000
CMI FGD510-8000	1	5X	8000	3000	1200	6000
CMI FGD510-14000	1	5X	14000	4500	1700	6000
SAHOS FC3000	1	5X	3000	1600	800	6000
CMI FG510-9000	1	5X	9000	3000	1900	6000

MANUAL TRIMMING	AREA (M2)
	180

LASER TRACKER (Measurement & Inspection)	QUANTITY
LEICA Absolute Tracker AT-401	2
LEICA Absolute Tracker AT-402	1

ULTRASONIC TESTING	QUANTITY	TECHNOLOGY
KRAUTKRAMER USM-36	1	A-SCAN
OLYMPUS OMNISCAN SX	1	PHASED ARRAY + A-SCAN
OLYMPUS OMNISCAN MX2	1	PHASED ARRAY + A-SCAN
OLYMPUS OMNISCAN IX-4CH	1	AUTOMATIC C-SCAN

X (10000 mm) - Y (1500 mm) - Z (2100 mm)

PAINTING	QUANTITY	LENGTH (m)	WIDTH (m)	HEIGHT (m)	TEMPERATURE (° C)							
						CABIN PAINTING & OVEN	1	14	4,5	3,5	65	Located at SERVIPAIN Facility
							2	7	4	3,8	65	Located at SERVIPAIN Facility
	1	6,6	2,6	2,7	65							

(\*) All the manufacturing resources are AEROTECNIC's property, none rented or leased.