airwin
consortium

airwin consortium

VISION

To contribute to the development of increasingly safe systems by manufacturing competitive and innovative machining solutions

MISSION

To be the preferred global structural precision machining systems supplier and partner to the top worldwide Aerospace & Defense OEMs thanks to the skills developed by each individual company

ABOUT AIRWIN CONSORTIUM

AirWin is a Consortium of Italian SMEs operating in the Aerospace & Defense industry

143 **EMPLOYEES**
100 blue collar
43 white collar

13200 SQM (142.000 sq ft) facility floor square

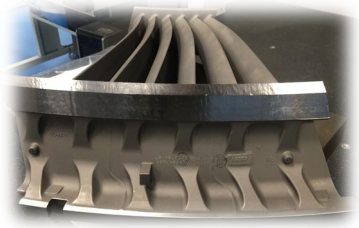
2019 Gross Income
15 M€

Financially stable

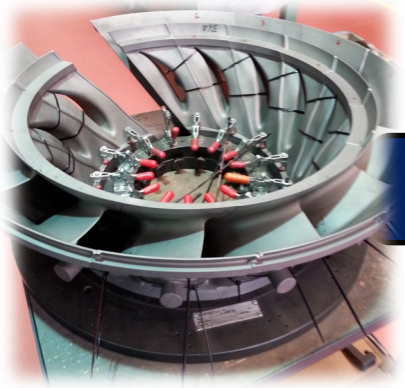
KEY COMPETENCIES

Engineering, Manufacturing, Integration

airwin consortium



Primary Products Lines



Machining

Sheet Metal

Special Processes
&
Heat Treatments

Jigs & tools

Composite

Wide Range of Engineering, Manufacturing & Integration Capability

CUSTOMERS

LEONARDO

Avio Aero
A GE Aviation Business

ThalesAlenia
A Thales / Finmeccanica Company
Space

OGMA

ITP
GRUPO
Industria de Turbo Propulsores, S.A.

BAKER HUGHES
a GE company

MINISTERO
DELLA DIFESA

DEDIENNE
AEROSPACE

ASCENT INTEGRATION
EUROPEAN OPERATIONS
AN AIP AEROSPACE COMPANY

CIRA
Italian Aerospace Research Centre

A. Abete

GRUPPO
PROMA
AUTOMOTIVE SOLUTIONS

PZL-ŚWIDNIK S.A.

CURTI

CERTIFICATIONS

CIVIL

CERTIFIED ISO 9100:2009 COMPANY

International Organization for Standardization ISO 14001:2015

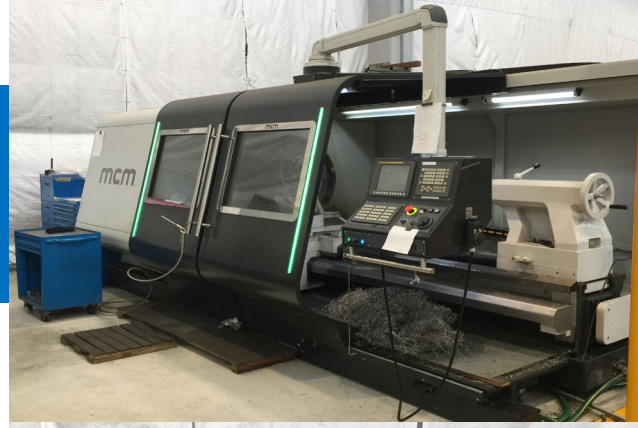
Accredited Nadcap™

Chemical Processing
Heat Treatment
Non Destructive Testing

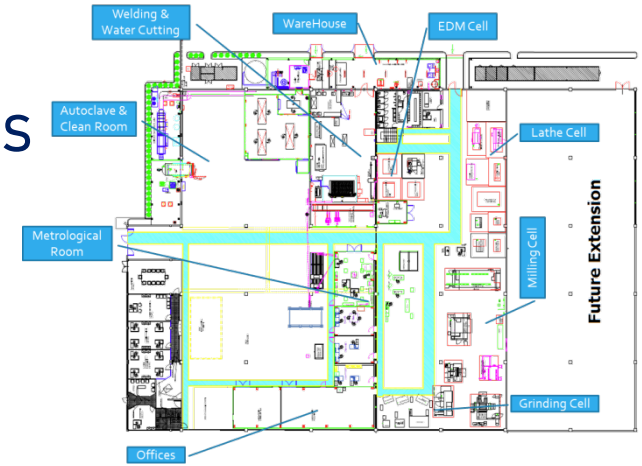
MILITARY

NATO AQAP 2310 (AER.Q-2100)

ATM
MANUFACTURING ADVANCE EQUIPMENT



- ✓Turning
- ✓Milling
- ✓Grinding
- ✓Electro Discharge Machining
- ✓Composite Manufacturing
- ✓Welding
- ✓Water Cutting
- ✓Special Processes



CAPABILITIES – TURNING

#	WORK DESCRIPTION	MODEL	MANUFACTURER	N. AXES	X (MM)	DIAMETER (MM)	NUMERICAL CONTROL	YEAR
1	Turning	ZPS 550	BIGLIA	2	600	100	Y	2006
2	Turning	HB 725	CAZENUEVE	2	750	900	N	2006
3	Turning	MASTER 2500	COLCHESTER	2	1000	150	N	2006
4	Turning	B111/SNC	BIGLIA	2	120	50	Y	2006
5	Turning	TP 26	FIMAP	2	750	900	N	2006
6	Turning	HEAVY 600	MCM	3	2000	1300	Y	2015
7	Turning	B1250M	BIGLIA	3	1195	550	Y	2018

CAPABILITIES – MILLING

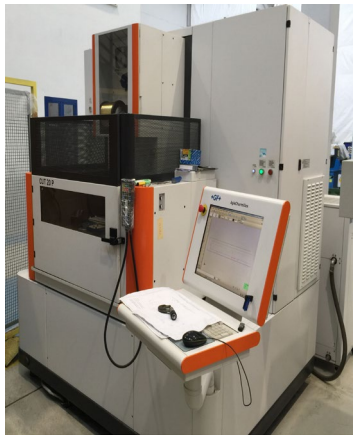
#	WORK DESCRIPTION	MODEL	MANUFACTURER	N. AXES	X (MM)	Y (MM)	Z (MM)	NUMERICAL CONTROL	YEAR
1	Milling	MH700P	MAHO	3	700	450	500	N	2006
2	Milling	VCM 1500	BRIGDPORT	3	1500	800	550	Y	2006
3	Milling	H 25	OLIVETTI	3	1000	800	1000	Y	2006
4	Reaming	3 BA	HAUSER	3	400	250	350	N	2006
5	Milling	FAS 1M	FAMU	3	800	600	400	N	2006
6	Milling	MC 120/60	FAMUP	3	1200	600	600	Y	2006
7	Milling	AA 1680	WELE	3	1200	800	800	Y	2014
8	Milling	RAFFAELLO R5A.6	REMA CONTROL	5	500	500	800	Y	2015
9	Milling	LEONARD LT4-50	REMA CONTROL	5	5000	900	1000	Y	2015

Capabilities – Grinding

#	Work Description	Model	Manufacturer	X (mm)	Y (mm)	Z (mm)	Diameter (mm)	Numerical Control	Year
1	Vertical Grinding	2C Jig Grinder	CATMUR	400	250	300	-	Y	2006
2	Vertical Grinding	G-18	MOORE	400	250	300	-	Y	2006
3	Tangential Grinding	540	JONES & SHIPMAN	500	300	300	-	N	2006
4	Tangential Grinding	1400	JONES & SHIPMAN	700	500	500	-	N	2006
5	Circular Grinding	1212	JONES & SHIPMAN	300	-	-	200	N	2006
6	Circular Grinding	1300	JONES & SHIPMAN	600	-	-	400	N	2006
7	Tangential Grinding	RTB 10/5	STEFOR	800	600	400	-	N	2006
8	Tangential Grinding	S200	STEFOR	800	600	400	-	N	2010
9	Tangential Grinding	S200	STEFOR	800	600	400	-	N	2010
10	5 Axes Grinding	R5A.6	REMA CONTROL	600	600	600		Y	2019

Capabilities – Electro Discharge Machining

#	Work Description	Model	Manufacturer	X (mm)	Y (mm)	Z (mm)	Numerical Control	Year
1	Wire EDM	A 325	SODIK	325	325	240	Y	2006
2	Sinker EDM	AM 35	SODIK	350	350	250	Y	2006
3	Wire EDM	ROBOCUP	FANUC	320	320	150	Y	2010
4	Wire EDM	CUT 20 P	CHARMILLES	320	220	250	Y	2015
5	Sinker EDM	ROBOFORM 40	CHARMILLES	500	400	450	Y	2018
6	Fast-hole EDM	CR1015	CR Technology	1100	600	550	Y	2019



CAPABILITIES – CUTTING, COMPOSITE & WELDING

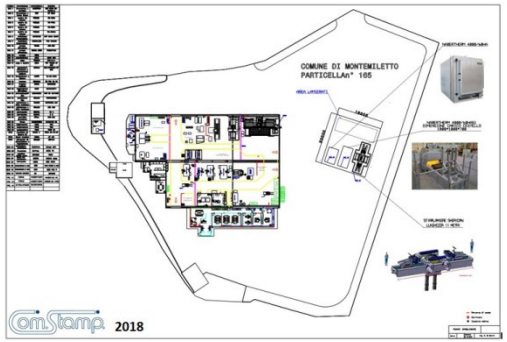
1

#	WORK DESCRIPTION	MODEL	MANUFACTURER	N. AXES	X (MM)	Y (MM)	Z (MM)	DIAMETER (MM)	NUMERICAL CONTROL	YEAR
1	Waterjet	CPT 4020 3X AWJ	BELOTTI	3	3000	2000	/	/	Y	2015
2	Autoclave	0030-590	PANINI	-	4000	/	/	2400	-	2015
3	Clean room	CR 0018	TECNO GROUP	-	-	-	-	-	-	2015
4	Fridge	CF 0028	TECNO GROUP	-	4000	3750	2000	-	-	2015
5	Ultrasonic NDI	NDI UT	TECHNOLOGY SERVICE	-	6000	3000	2000	-	Y	2015
6	Coordinate Measurement Machine	DEA GLOBAL PERFORMANCE 7X7	HEXAGON METROLOGY	5	700	1000	660	-	Y	2014
7	TIG Welders	TIG 4300i AC/DC	ESAB	-	-	-	-	-	-	2009
8	MIG Welders	SIGMA 400	MIGATRONIC	-	-	-	-	-	-	2010
9	MIG Welders	SIGMA 400	MIGATRONIC	-	-	-	-	-	-	2010

COMSTAMP

MANUFACTURING ADVANCE EQUIPMENT

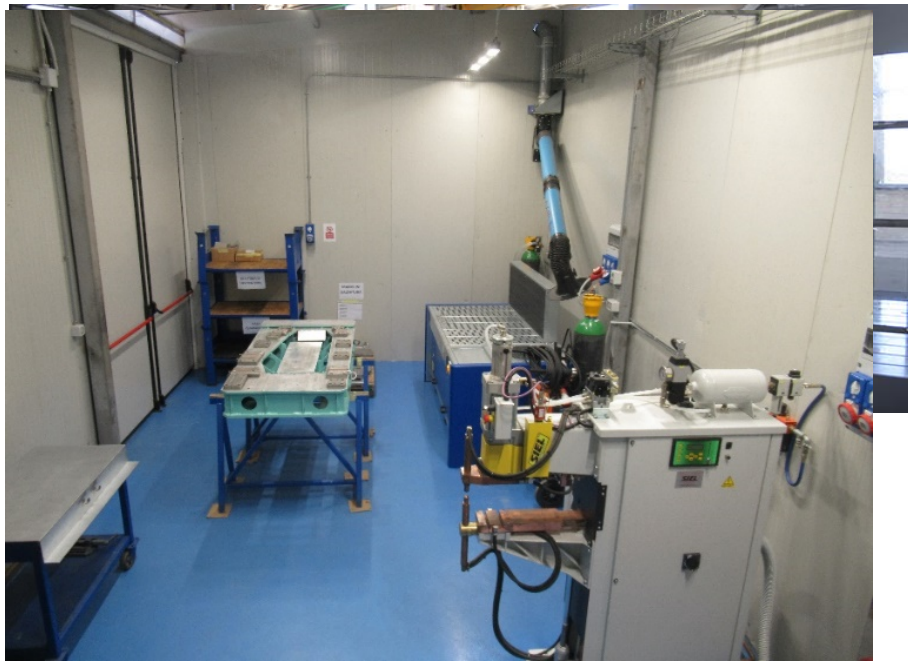
- ✓Titanium, Aluminum & Nickel alloys, stainless steel and high strength alloys Machining
- ✓Block form for rubber press, Form Die, Stretching fixture, Assembly jigs and Lay Up tools Manufacturing



COMSTAMP

MANUFACTURING ADVANCE EQUIPMENT

✓Special Processes (spot welding, tig welding, heat treatment & torch bracing)



COMSTAMP

SHEET METAL PARTS MACHINING & HEAT TREATMENT

NABERTHEM
4000/60HAS1
DIMENSIONS
1800*1000*700
QUENCHING TREATMENT FOR
ALUMINIUM

NABERTHERM
4000/60HA
TITANIUM
DISTENTION

STRECH FORMING PRESS with 4 hands (2 diagonals) that permit rotation +/- 120° in main direction.

CARATTERISTICHE Pressione :

FORZA DI SPINTA TOTALE TAVOLA VERTICALE	Ton da 50 a Ton 375
FORZA IN TRAZIONE TOTALE	Ton da 50 a Ton 150
VELOCITA' USCITA TOTALE	MM/SEC 1- 5
FORZA DI SPINTA UNITARIA	Ton 185
FORZA DI TRAZIONE UNITARIA	Ton 080
PRESSIONE DI ESERCIZIO MAX	BAR 150
PRESSIONE REGOLABILE	BAR 30 A 150

Lamiera Alluminio max stirabile Largh. 2800 spessore 5 mm

Caratteristiche geometriche macchina.

Lunghezza longitudinale Macchina	X 12.200,00 mm
Larghezza trasversale Macchina	Y 5.200,00 mm
Altezza macchina Macchina	Z 3.700,00 mm
Corse Utili assi XYZ i:	
X/2 Corsa del ram longitudinale dopo aver pinzato la lamiera	3.000,00 mm
Y/2 Corsa del ram trasversale dopo aver pinzato la lamiera	2.000,00 mm
Z corsa di 2 cilindri verticali	2.000,00 mm

COMSTAMP

AEROSPACE JIGS & COMPLEX LAY-UP TOOLS

LAY UP TOOLS - HELICOPTER CANOPY

ASCENT /AIRBUS A330 TOULOUSE PLANT 2018 JIG

GRTT

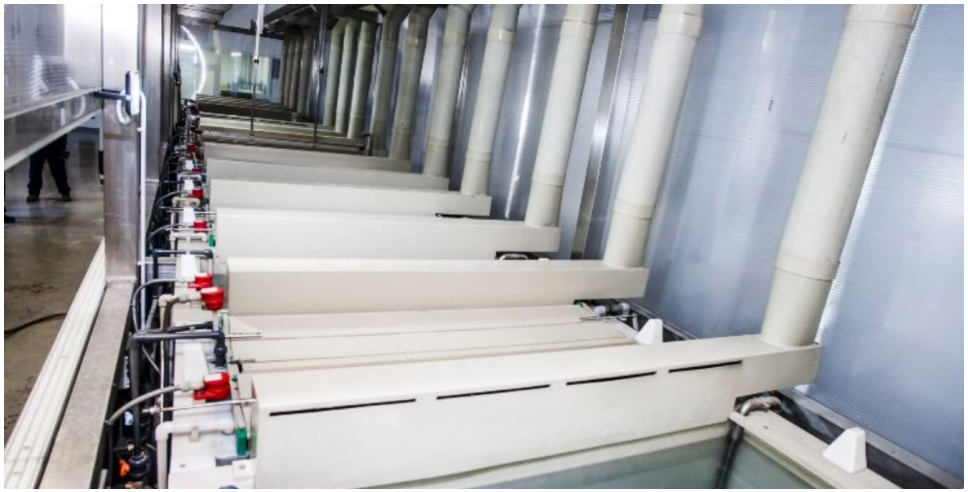
SPECIAL PROCESSES – HEAT TREATMENT

- ✓ Vacuum heat treatments
- ✓ Heat treatments in a controlled atmosphere, nitriding and gas nitrocarburizing processes
- ✓ Special and customized cycles

GALVER

SPECIAL PROCESSES – HEAT TREATMENT

- ✓ Aeronautical and industrial Painting
- ✓ Galvanic treatments
- ✓ Penetrant liquids inspections



LIBURDI

WELDING ENABLING TECHNOLOGIES

ADVANCED GAS TURBINE REPAIR AND UPGRADE

- ✓Full Solution Rejuvenation® (®FSR) heat treatment
- ✓Specialized Welding Systems
- ✓Internal and External Coating Systems
- ✓LPM® High Strength Powder Metallurgy Repair Process

THE PARTNERS

www.atmsrl.com

A.T.M. srl is a company operating in the field of manufacturing of tools, fixtures and high precision machining parts in the aerospace and mechanical engineering and automation market. ATM is also operating in the field of manufacturing of polymeric matrix composites materials.

www.comstamp.it

Com.Stamp. S.r.l. is operating since 1996 in the field of cold forming of sheet metal. The company is an aerospace parts manufacturing firm with capabilities that include the production of components for both A&D equipment and system.

THE ASSOCIATES

GRTT Srl
Trattamenti Termici

www.grrtt.it

GRTT s.r.l. is a company specialized in special processes for the A&D sector as the following: Vacuum Heat Treatments, Heat treatments in a controlled atmosphere, nitriding and gas nitrocarburizing processes.

GALVER
GALVANICA E VERNICIATURA AERONAUTICA

www.galversrl.it

Galver Srl started its activity in the industrial painting sector from 1999 as Augusta Westland supplier, tasked with painting helicopter parts and segments. In 2014, Galver Srl introduced a system for galvanic treatments in preparation for bonding aeronautical parts and they are also specialized for NDT with penetrant liquid and with a high-performance nickel bath for electroforming of aeronautical parts in nickel-cobalt alloy.

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