

MEZZI DI PRODUZIONE / PRODUCTION'S FACILITIES

TIPO/TYPE	CONSTRUTTORE CONSTRUCTOR	DESCRIZIONE DESCRIPTION	AREA LAVORO mm WORK AREA mm.
CENTRO DI LAVORO VERTICALE/MILLING CENTRE	MAZAK	VARTAXIS 730 MK II, 5 AXIS	850x730x560
CENTRO DI LAVORO VERTICALE/MILLING CENTRE	FAMUP	MC120 Evolution, 4 AXIS	1200x800x820
CENTRO DI LAVORO VERTICALE/ MILLING CENTRE	FAMUP	MC K 700/18, 4 AXIS	700x480x470
CENTRO DI LAVORO VERTICALE/MILLING CENTRE	ZPS	MCV 125, 4 AXIS	1270x610x760
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FRESATRICE A PORTALE/MILLING BRIDGE TYPE	CORREA	FP 40/30, 5 AXIS	2500x2500x1000
FRESATRICE A PORTALE/ MILLING BRIDGE TYPE	CORREA	FP 40/40, 5 AXIS	3500x2000x1000
FRESATRICE A PORTALE/MILLING BRIDGE TYPE	PROMAK	CONCEPT F3A, 3 AXIS	4050x2050x375
FRESATRICE/MILLING MACHINE	O.M.V. PAPPAS	SHARK, 5 AXIS	4000x1200x1600
FRESATRICE/MILLING MACHINE	O.M.V. PAPPAS	ACTIVE FIVE, 5 AXIS	4100x1140x1200
FRESATRICE VERTICALE/ MILLING MACHINE	FIDIA	HSM GTF3514 5AXIS	8000x3500x1400
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	BIGLIA	B SMART TURN 1200	Ø 500 x 1200
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	BIGLIA	B 1200 Y	Ø 500 x 1200
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	BIGLIA	B 658 Y	Ø 490 x 600
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	BIGLIA	B 301 M	Ø 220 x 380
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	DAEWOO	PUMA 350 B	Ø 700 x 1000
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	MAZAK	NEXUS QTN 250 II-M	Ø 380 x 575
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	MAZAK	INTEGREX I 400 S	Ø 660 x 1585
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	MAZAK	INTEGREX 400 S SMOOTH X	Ø 660 x 1519
TORNIO CNC ORIZZONTALE/HORIZONTAL LATHE	MAZAK	INTEGREX II005 M2	Ø 500 x 854
ELETTROEROSIONE A FILO/E.D.M. WIRE CUT	ONA	AF-35	600x400x400
ELETTROEROSIONE A FILO/E.D.M. WIRE CUT	AGIE	AGIE CUT-200	860x580x250
ELETTROEROSIONE A FILO/E.D.M. WIRE CUT	AGIE	AGIE CUT-200	860x580x250
ELETTROEROSIONE A FILO/E.D.M. WIRE CUT	AGIE	AGIE CUT-200	860x580x250
ELETTROEROSIONE A FILO/E.D.M. WIRE CUT	AGIE	AGIECUT CLASSIC 35	1050x650x250
ELETTROEROSIONE A TUFFO/E.D.M. DIE SINKING	AGIE	AGIECUT TRON 200C	1000x700x350
ELETTROEROSIONE MICROFORATRICE/E.D.M. MICRO BORING	ZDNC	526 (holes from 0,3 to 3 mm)	300x450x500
ELETTROEROSIONE MICROFORATRICE/E.D.M. MICRO BORING	C.R. TECHNOLOGY	CR 611(holes from 0,15 to 3 mm)	550x300x490
SEGATRICE A NASTRO ORIZZONTALE	SOITTAAB	SC 550 AUTOMATIC	550x550
SEGATRICE VERTICALE/SAWING MACHINE	WALTER SEGATRICE	1200TMC 1500	2000x1000x600
SEGATRICE A NASTRO ORIZZONTALE/SAWING MACHINE	WALTER SEGATRICE	AUTOR 420	420x420
PRESSA INSTALLAZIONE CUSCINETTI/ HYDRAULIC PRESS FOR BEARINGS INSTALLATION	O.M.C.N.	161/R IDRAULICA 40Ton.	775x200x1125
EQUILIBRATRICE ORIZZONTALE/ BALANCING MACHINE	ELETTORAVA	R 10 B VS	/
MARCATRICE MICRO PUNTI / MICRO DOT MACHINE	PROPEN	P3000	400x300x300
SALDATRICE GTA MANUALE/MANUAL WELDING	FROLLI	EWM	/

MAIN REFERENCES

- AvioAero
- Leonardo
- Thales Alenia Space
- Rolls Royce
- S.A.B.C.A.
- EthosEnergy
- Atlas Copco

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**ALFA
MECCANICA** S.R.L.
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HIGH PRECISION MACHINING
FOR AEROSPACE AND ENERGY INDUSTRY.
FROM 1975 WE CARRY OUT 3-4-5 AXIS CNC MILLING, MULTI AXIS TURNING,
EDM OPERATIONS (DIE SINKING & WIRE CUTTING) AND ASSEMBLY OPERATIONS.
DESIGN AND MANUFACTURING OF MILLING FIXTURES FOR METALS AND
COMPOSITES, AUTOCLAVE POLYMERATION FIXTURES, DRILLING JIGS, WELDING
FIXTURES, DIMENSIONAL INSPECTION FIXTURES AND ASSEMBLY JIGS.
WITH THE SUPPORT OF A NETWORK OF PROPERLY SELECTED AND
CERTIFIED SUPPLIERS WE TAKE THE FULL RESPONSIBILITY
OF FINISHED PARTS.

TORINO PIEMONTE
Aerospace
We know how

member of
altair

MILLING



3, 4, 5 - AXIS MILLING.

Used materials: aluminium alloys, titanium, and stainless steel.

Manufactured components: frames, panels for aerospace modules, longerons, flapron hinges, tank plates, etc.



TURNING



Multiaxis turning and CNC horizontal lathes. Production of complex profiles, borings and threads out of center. Very flexible manufacturing organization supported by automated tools changing systems. Production of nozzles, housings, flanges, thread rings, bushings, special screws, etc.

ELECTRO DISCHARGE MACHINING



EDM area, die sinking and wire cut machines. Precision boring machine for holes from 0,15 through 3 mm.

NON DESTRUCTIVE TESTS



Nondestructive Testing
NADCAP CERTIFIED NR. 12180168704

Semiautomatic F.P.I. equipment with 700 x 800 x 800 mm tanks capacity and operating to ASTM 1417 (IA3, ID2, ID3). Posted personnel qualified according to NAS 410



PRECISION CLEANING AND CLEANLINESS INSPECTION



Applicable specification: P4TF21 (GE AVIATION)
The process is qualified by GE AVIO AERO and its capacity is 800 x 400 x 300 mm.

ASSEMBLING



Assembly area for installation of bushes, bearings, inserts and nuts. Nozzles oil special BENCH TESTS and facilities to perform HYDRAULIC PRESSURE TESTS on manufactured components. BALANCING BENCH for rotating components.

QUALITY AND STANDARD ROOM



Member of CISQ Federation

RINA
EN 9100
Certified Quality System



Membero della Federazione CISQ

RINA
ISO 9001
Sistema Qualità Certificato

Quality system certified according to ISO 9001:2008 and EN 9100:2009. The inspection area is equipped with temperature & humidity control system and three CMMs (max dimension 4000 x 2000 x 1500 mm).

