



ITALIA ^{AT}

AEROSPACE

& DEFENCE SUPPLIER SUMMIT

April 11 - 13, 2022 / Seattle, WA, USA



ITALIAN TRADE AGENCY

ITA - Italian Trade Agency is the Governmental agency that supports the business development of our companies abroad and promotes the attraction of foreign investment in Italy.

With a motivated and modern organization and a widespread network of overseas offices, ITA provides information, assistance, consulting, promotion and training to Italian small and medium-sized businesses. Using the most modern multi-channel promotion and communication tools, it acts to assert the excellence of Made in Italy in the world.

Through its Houston office, the Italian Trade Agency supports the aerospace sector in the United States.

ITA – Italian Trade Agency

Houston Office

777 Post Oak Blvd
Suite 320
Houston, TX 77056
T. +1 281 888 4288
F. +1 281 974 3100
houston@ice.it

www.ice.it/en



The Italian Industries Federation of Aerospace, Defense and Security (AIAD) was founded in 1947. It includes almost all the national enterprises that operate with advanced technology in the design, production, research and service activities for the civil and military aerospace, military navy and army sectors. It acts as the point of reference for all the national and foreign institutions for the coordination of all those activities in which there is a need to represent the sector's national interest; it is a member of the equivalent European Association (ASD). AIAD is the actor of the intensive promotional activities abroad, both to coordinate the Italian participation in the most important international events and to organize and direct not only the mission of our enterprises abroad but also the visits of foreign delegations in Italy. AIAD is a founding member of the National Technology Cluster for Aerospace. It is Headquartered in Rome with an office in Brussels.

AIAD – Italian Industries Federation for Aerospace, Defence and Security

Via Nazionale, 54 - 00184 Rome, Italy
T. +39 06 4880247
F. +39 06 4827476
aiad@aiad.it
www.aiad.it



Italy is one of the largest manufacturing countries in the world. While there is no need to note its prominence in the sectors of fashion, food products, automotive, etc. – maybe there is still a lot more to discover about Italy's role in Space.

The Italian aerospace industry plays a leading role in both the national and international economy. Space is one of the high-tech sectors in which Italy holds a global leadership position, ranking fourth in Europe and seventh worldwide.

Aerospace activities carried out in Italy generate 13 billion euros in revenues and employ more than 64,000 people.

Italy belongs to the exclusive club of spacefaring nations in the world that have a complete supply chain and a full range of expertise in the field. With an exceptionally articulated industrial value chain, the Italian Space Industry offers virtually everything: large System Integrators and large companies specializing in complex system integration, about 200 small and medium-sized companies engaged in upstream and downstream activities, start-ups able to innovate and stay ahead of new technology trends. Not to mention 12 Technology Clusters.

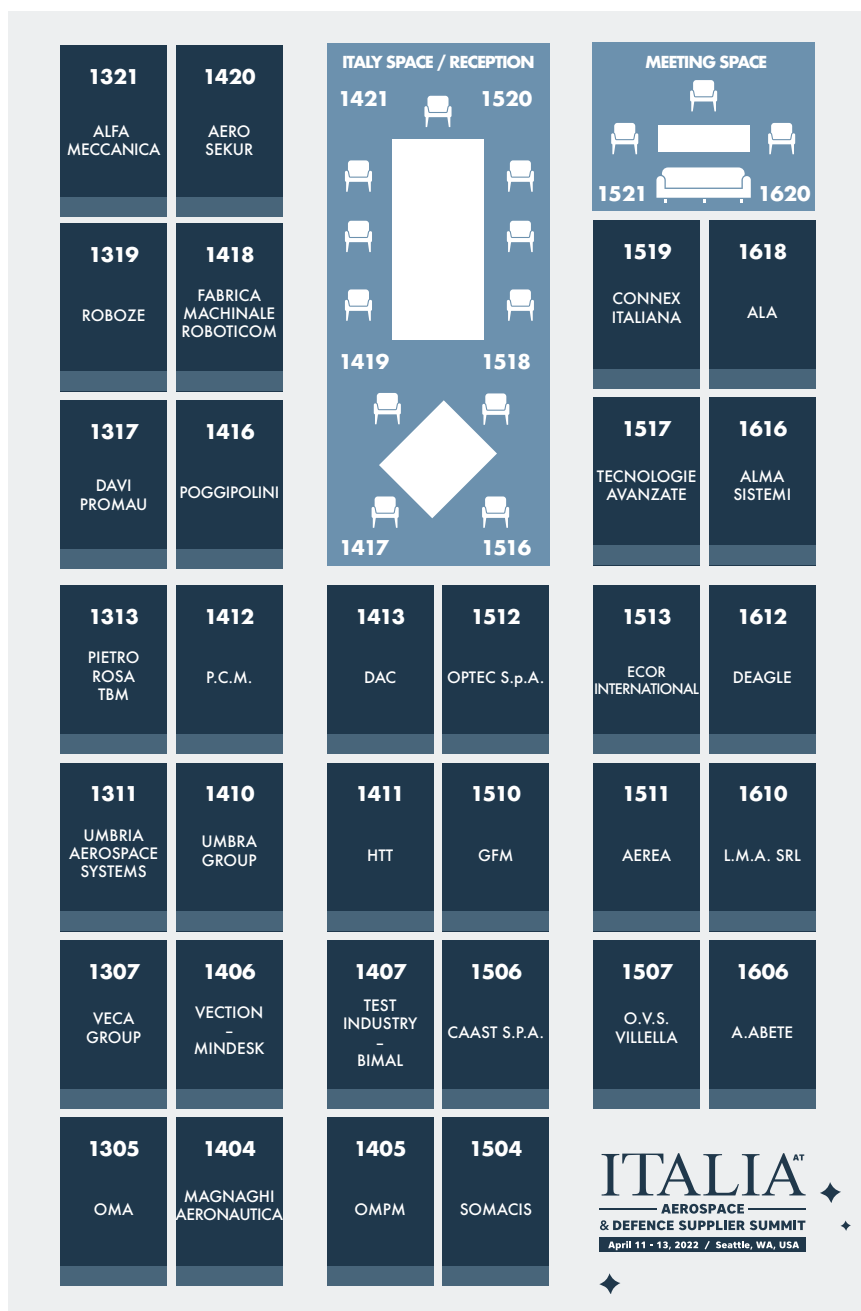
In 2022, US companies will have four different chances to directly engage with Italian companies in the field of aerospace: four great events that will be attended by Italian leading companies.

An Italian Pavilion will be present at SpaceCom Expo 2022, Space Symposium 2022, ADSS Seattle 2022 and SpaceTech 2022. There, you will find the best representatives of a vibrant and rapidly growing sector, eager to establish new relationships around the world.



Find, trace and discover your next Italian aerospace partner by downloading the complete industry catalog here.

FLOOR MAP



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A. ABETE

Z. Ind. Nola-Marigliano snc
80035 Nola (Na)
Italy

www.abete.net

Contact:

Domenico Frontoso Silvestri
T: +39 081 19802174
Commerciale@abete.net

A.ABETE is an international reference in manufacturing of components and assy for Aerospace Industry, Aircraft Engines, Defense and Industrial Sectors. The company is an aerostructures leader for parts production of equipped fuselages of the major worldwide players.

A.ABETE annually produces more than 200.000 elementary parts and assemblies of fuselage, wings and flight control.

A.ABETE owns technologies, skills and financial strength to design and manufacture a large range of products and services throughout the life cycle of civil and military aircraft (from tool predesign to design, from industrialization to manufacturing and to on-site support) for all the leaders of aeronautics and their partners.

Core Business are:

- 1) Production and assembly of components make from Aluminum, Titanium, Steel and Invar Alloys.
- 2) Production and assembly of various kind of complex structures.
- 3) Automation on the shopfloor.
- 4) Trade and distribution of spares and tools to airlines and M.R.O. shops.
- 5) R&D.



A. Abete

THE COMPANY IS AN INTERNATIONAL REFERENCE, SPECIALIZED IN THE MANUFACTURE OF STRUCTURAL PARTS IN ALUMINUM, TITANIUM AND STEEL ALLOYS FOR THE AEROSPACE AND AIRCRAFT'S ENGINES INDUSTRY

OUR ABILITY

MILLING
5, 4 AND 3 AXIS, HORIZONTAL & VERTICAL MACHINING CENTERS.
A FLEXIBLE MANUFACTURING SYSTEM BASED ON FMC FACTORIES ALLOWS IT TO TAKE THE BEST ADVANTAGE OF THE FIVE-AXIS UNITS WHILE CREATING A 24/7 AUTOMATION MODEL BASED ON A HIGH LEVEL OF INTEGRATION.

TURNING
IN ADDITION TO THE CLASSICAL TURNING OPERATIONS, ABETE CAN PERFORM COMPLEX OPERATIONS INVOLVING COMBINED MACHINING/TURNING AND MILLING UP TO 5 AXIS. THE AIM IS TO ENSURE THE SELECTION OF THE SAME MACHINE AND IN A SINGLE SET-UP OF MACHINING OR COMPLEX MECHANICAL COMPONENTS.

OTHER OPERATIONS

- GRINDING
- EDM
- PERIPHERAL INSPECTIONS
- GALVANIC
- SHOT PEENING
- PAINTING

AUTOMATION

ABETE INVESTED OVER 40% OF ITS ANNUAL PROFITS TO BUY NEW EQUIPMENT AND UPGRADE IN THE BEST POSSIBLE WAY TECHNOLOGIES THAT CONTRIBUTE TO INCREASE PRODUCTIVITY AND COMPETITIVENESS.
INCLUDING TOOLS | FLEXIBLE MANUFACTURING SYSTEMS (FMS) | ERP SYSTEMS | CELLULAR CELL | TOOL PATH OPTIMIZATION | 3D PRINTING | LASER WELDING.

RESEARCH & DEVELOPMENT

RAID CLEAR PRIORITIES AND DEVELOP NEW IDEAS AND PROJECTS IN ORDER TO INCREASE THE CONTENT AND INNOVATION WITH THE MAIN AIM OF CREATING NEW PRODUCTS TO CREATE NEW BUSINESS AREAS AND DEVELOP INNOVATIVE TECHNOLOGIES TO OPTIMIZE THE PRODUCTION CYCLE.
- DEVELOPMENT OF ELECTROMECHANICAL COMPONENTS (SOLENOID VALVES, SOLENOID ACTUATORS, MOVING PUMPS, VARIABLE LEAD PUMPS, ELECTROMECHANICAL ACTUATORS, ETC.)
- DEVELOPING TECHNOLOGIES FOR THE PRODUCTION OF CARBON FIBRES (OPTIMIZED PROFILES)

EXAMPLES OF CUSTOMER MANUFACTURING

ABETE IS A LEADER AND HIGH-TECHNOLOGY SUPPLIER OF COMPONENTS FOR AIRLINES AND AIRBUS AIRBUSES INCLUDING THE A380-800.





AEREA

Via C. Cattaneo, 24
22078 Turate (Como)
Italy

www.aerea.it

Contact:

Giovanni Murettino
aerea@aerea.it
T: +39 02 334831

Founded 1927, AEREA is one of Italy's oldest privately-owned companies operating in aerospace & defense sectors.

Highly specialized in design, development, manufacturing, and post-production support of Electromechanical and Pneumatic Store Carriage and Release Systems and mechanical components for international air defense projects such as AV-8B II+, Eurofighter and F-35.

Our design ability, gained over years of experience, along with the high quality of our production departments and state-of-the-art facility are at the base of AEREA's outstanding ability to provide solutions optimizing the requirements of the aircraft platform. That includes the needs of airborne stores, and end users expectations for the most complex defense aeronautics programs, from development to post-production support.

More recently, AEREA exported its knowledge into space by developing SHREK (Self-latching Hold-down Release Kinematic), an innovative HDRM (Hold Down Release Mechanism) for solar panels on satellites, already selected by the ASI (Italian Space Agency) for upcoming missions.





AERO SEKUR

Via delle Valli, 46
04011 Aprilia (LT)
Italy

www.sekur.aero

Contact:

Riccardo Di Massa
T: +39 345 7433127



Aero Sekur is a leading tier-one supplier of advanced survival equipment, fuel tanks and fuel systems for mission-critical air and ground vehicles.

The company designs, manufactures and maintains a suite of key safety and survival system and services for the Aerospace&Defence industry, including Helicopter Emergency Floatation Systems, External Liferaft Systems, Crashworthy and self-Sealing Fuel Storage System Components.

With proven experience in Design & Qualification of its equipment, meeting both military and civil requirements, Aero Sekur has delivered more than 8.500 emergency systems and fuel systems, provides worldwide Product Support, with quick TAT thanks to its network of 19 repair stations.

Aero Sekur approvals: EASA Part 21, EASA/FAA Part 145, US DOT cylinder requalification facility and EN9100:2018.





ALA

Viale J.F.Kennedy, 54
80125 Napoli (NA)
Italy

www.alacorporation.com

Contact:

Valentina Verde
info@alacorporation.com
T: +39 081 3036383



ALA is a global leading stocking distributor and supply chain solutions provider to the Aerospace & Defense, Aerospace Aftermarket, Energy, Rail & Industrial markets. With headquarters in Naples, Italy, ALA has over 30 years of experience delivering products and services from a growing network of sales offices in Italy, France, Germany, the United Kingdom, Israel and North America.





ALFA MECCANICA

Via G. Agnelli, 3
12048 Sommariva del Bosco (CN)
Italy

www.alfameccanicasrl.it

Contact:

Davide Fusta
davidefusta@alfameccanicasrl.it
T: +39 338 7225875



ALFA MECCANICA, since over 45 years, is specialized in High Precision Machining (5 axis Milling up to 8 m and Turning), EDM, FPI (Nadcap Accredited), Cleanliness Inspection (Qualified by GE Aviation), Assembly, Testing and Design & Manufacturing of Jigs and Fixtures. The main products are: Aerostructures Subassemblies, Engine and Propulsion Subsystems, Structures and mechanical systems for Space (modules, spacecrafts and satellites) and Mechanical Support Equipment.

ALFA MECCANICA supports the most important civil and military International Programs concerning Aviation and Space.





ALMA SISTEMI

Via Dei Nasturzi, 4
00012 Guidonia Montecelio (RM)
Italy

www.alma-sistemi.com

Contact:

Alessio Di Iorio
adi@alma-sistemi.com
T: +39 335 6317013

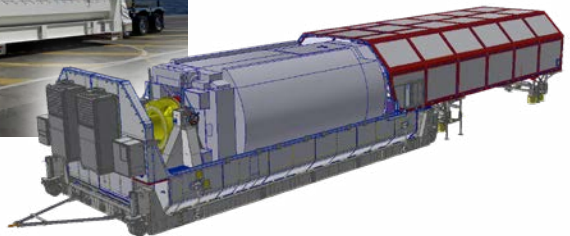


ALMA Sistemi Srl is an Italian SME established in 2005 providing high level mechanical and software engineering and services in the space and defence markets for industries and research centres in the frame of European Space Agency, European Union and Italian Space Agency space programs.

The activities span from Research & Technology Development to industrial projects covering added value services and products with specific regard to Mechanical and Electrical Ground Support Equipment for satellite and payloads, remote sensing application, scientific instrumentation for planetary exploration and innovative antennas based on metamaterials.

ALMA has been providing mechanical engineering for the main European large-scale integrators Airbus D&S and Thales Alenia Space. ALMA has recently successfully delivered to Thales-Alenia Space, Cannes, France, in cooperation with Garofoli SpA, the largest transport container for Satellite ever build for the SPACEBUS NEO series' satellite with overall dimension of 13,0x5,4x4,2 mt. (LxWxH).

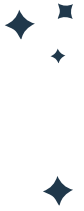
ALMA is certified ISO 9001:2015 engineering.





CAAST

SEALING TECHNOLOGY



CAAST S.P.A.

Via Luigi Fumagalli, 91
22066 Mariano Comense (CO)
Italy

www.caast.it

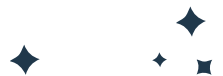
Contact:

Marco Viotto
mviotto@caast.it
T: +39 345 114852



Seals manufacturer, we design and develop high performance tailored sealing solution in elastomeric and plastic material (FKM, FFKM, HNBR, PTFE, PCTFE ect.).

CAAST manufactures and supplies components according to the most restrictive standards, our passion and our experience are focused on technical research to move forward the limits!





Connex Italiana S.r.l.

CONNEX ITALIANA

Piazzale Lugano, 9
20158 Milano (MI)
Italy

www.connex-italiana.com

Contact:

Marco Infrano
marco.infrano@connex-italiana.com
T: +39 02 39321147



Connex Italiana was founded in 1979 with the aim to propose and to design-in electrical and electromechanical components to main Italian OEM customers. Our main markets are Aerospace & Defense, Racing, Railways and Space.

We are a Manufacturer's Representative company, continually seeking to represent new innovative companies, for the Italian market and we are also a worldwide specialized distributor/service provider with thousands of items available in stock. We are looking for companies interested to explore the Italian markets and we are looking for to sell products worldwide as a distributor AS9120B qualified.





DAC

Via Coroglio, 57
80124 Napoli (NA)
Italy

www.daccampania.com

Contact:

Gennaro Russo
g.russo@daccamapania.com
segreteria@daccampania.com
T: +39 329 2535926

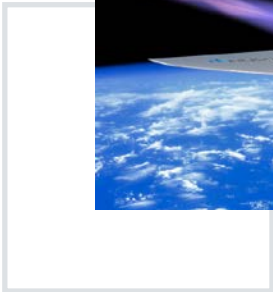


The Campania Aerospace Technological District was established on May 30th, 2012 with the definite goal of stimulating the collaboration between research centers, universities and firms in the Campania region in order to foster business opportunities and continuous growth and innovation.

Currently, the Campania Aerospace District involves 188 direct and indirect partners, including 24 large companies (e.g.: Leonardo, MA Group, DEMA, GEVEN, Atitech, Telespazio, etc.), 19 Research Centers (e.g.: CNR – National Research Council, CIRA – Italian Aerospace Research Center, ENEA and the 5 Campania Universities) and 145 SMEs and other entities.

DAC, represents a new model of development which faces the new challenge related to competences consolidation and integration of all regional excellence in the aerospace industry:

Commercial Aviation;
General and Business Aviation;
Space, High Speed and Suborbital Systems;
Maintenance and Overhauling





DAVI - PROMAU

ITA
Via Civinelli, 1150
47522 Cesena (FC)
Italy

USA
15107 Surveyor Boulevard
75001 Addison (TX)
USA

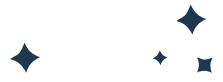
www.davi.com

Contact:

Matteo Rossi
davi-sales@davi.com
T: +1 815 262 8620



DAVI Plate and Angle Rolls are able to roll every kind of component used in the Aerospace Industry: whatever the material, the dimension and the bending radius requested, DAVI range presents an optimal alternative to offer to the customer. Whether we are talking about building parts of capsules, nacelles or boosters, in different materials (any type of steel, aluminum, titanium or other alloys), DAVI can supply the ideal solution, through both standard machines and products deeply customized, that are granted by a Research & Development Division that is in constant growth and evolution. In fact, a dedicated team of Engineers and Technicians can take care of the customers' special needs and come up with the Plate or Angle Rolling Solutions that best fit their requests.





DEAGLE

Via Dei Fiorentini, 21
80133 Napoli (NA)
Italy

www.deagle.it

Contact:

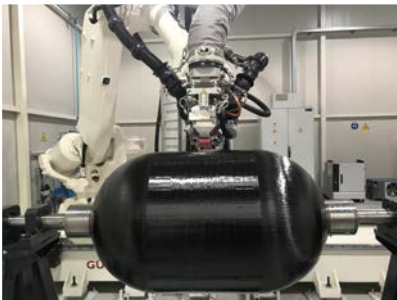
Anna Acanfora
info@deagle.it
T: +39 344 0170798

in

Deagle is an innovative Company founded by a team of managers, combining their experience in high technology fields: Aerospace, Automation System and AI. Our mission is to develop innovative and sustainable turn-key solutions to improve the quality of life by supporting Customers through the integration of our skills and expertise.

Specialized in Design & Build in complex Aero-structures field, Deagle sets its capabilities and know-how for the benefit of its Customers and supports them throughout the life cycle of a new aircraft. In addition, through the JV with a key Company in automation system Industries DeAMS is born.

DeAMS has capability for construction of Machines and Toolings to be used in different production fields. In addition, it provides flexible and programming units implementation, able to be adapted to all production needs.



(in partnership with **Novotech**)





ECOR INTERNATIONAL

Via Friuli, 11
36015 Schio (VI)
Italy

www.ecor-international.com

Contact:

Giulio Roana
giulio.roana@ecor-international.com
T: +39 0445 576063



Ecor International has over 40 years of experience in various sectors, as food and pharma.

The highly qualified staff can manage both R&D and manufacturing activities.

Thanks to the excellent results achieved, we built an excellent reputation also in the Aerospace and Defense sector: today our customers recognise us as a valid and reliable partner, able to propose innovative solutions with high technological content.

We design and manufacture vertical critical components (welded assemblies, exhausts, rigid piping and assemblies) and fluid circuits, installed in civil and military aircraft, spacecraft and satellites, where very high safety and quality standards must be met.

We are AS/EN 9100 certified and NADCAP accredited for welding processes, heat treatment processes and non-destructive testing.





FABRICA MACHINALE (ROBOTICOM)

1875 East Main Street Spark,
Warehouse 92, Dock 10
29334 Duncan
USA

www.roboticom.us

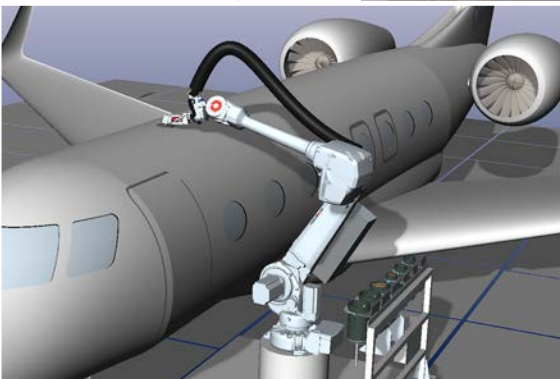
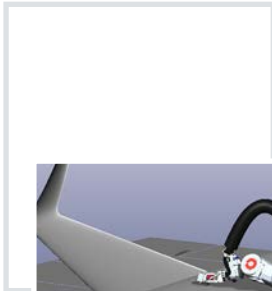
Contact:

Tim Sullivan
hello@roboticom.us
T: +1 314 614 3241



ROBOTICOM designs, engineers and offers to the market innovative robotic solutions. With our know-how and the experience gained in more than 20 years in the business, we are able to satisfy every need for automation in many different fields, offering custom made robotic solutions for every single customer.

ROBOTICOM is an Epica International company and a pioneer in robotic manufacturing solutions. SANDROB The only robotic solution available for all surface finishing processes: sanding, polishing, trimming of complex shapes at any scale or size.





GFM

Via G. Natta, 5
24030 Mapello (BG)
Italy

www.gfm spa.com

Contact:

Luigi Del Riccio
info@gfm spa.com
T: +39 347 6520334



GFM is an Italian company with more than 40 years of experience in the production of precision mechanical components and special tools for power generation and aerospace sectors.

We have a wide range of capabilities in the production of machined components from various formats - bars, special profiles, castings, forgings, plates, tubes - and in various steel materials (Inconel, hastelloys, stainless, aluminum, carbon, low & high alloy).

Our engineering team has a solid experiences of materials and machining processes in order to support our customers in the development and optimization of production processes of mechanical components. We provide support and development of prototypes using traditional machining and additive manufacturing.




GFM

MECHANICAL COMPONENTS SOLUTION PROVIDER
YOUR RELIABLE PARTNER FOR AEROSPACE PROJECTS

- CONSOLIDATED EXPERIENCE IN PRODUCT ENGINEERING
- STRONG KNOWLEDGE OF MATERIALS & METALLURGY
- SOLUTION-ORIENTED APPROACH FOR EVERY PROJECT
- COMPLETE SUPPLY CHAIN MANAGEMENT INCLUDING STOCK OF RAW MATERIALS & FINISHED GOODS
- INNOVATIVE MINDSET USING NEW DEVELOPING TECHNOLOGIES
- FLEXIBLE PRODUCTION CAPACITY

NEW TECHNOLOGY HYBRID ADDITIVE MANUFACTURING



SCAN TO ACCESS
OUR COMPANY PROFILE.

WWW.GFMSPA.COM





HTT

Zona Industriale ILICI,
83030 Venticano (AV)
Italy

www.htt.tools

Contact:

Angelo Capone
sales@httsrl.com
T: +39 340 8076561



Leading manufacturer of special CUTTING TOOLS for Aerospace, Defense and Automotive.

Patented solutions for ONE-SHOT and ONE-UP applications on composite + metal stacks, for Boeing and Airbus assembly lines (FAL).

HTT helps optimize the machining process with highly customizable solutions and timely deliveries.

HTT can design professional cutting tools, tailored to your specific needs.

Are you interested in:

- Fixing your machining problems (delamination tolerance, burr, etc.)
- Reducing machining steps and job time
- Optimizing your process
- Improving performance

SOLUTIONS

Drill-Bits - Reamers - End-Mills - CFRP Routers - Honeycomb Core Hoggers - Countersinks - Knife Cutters

APPLICATIONS

Composites (Carbon Fiber, Fiberglass) - Titanium - Steel - Aluminum - Aramid Fibers - Honeycomb

PROCESSES

Manual - Semi-Automatic - (ADU) - Automatic

BENEFITS OF HTT

Cost-per-hole optimization - Job Time & Cost Reduction - Optimization of Machining Steps

SERVICES

Re-Sharping - Coating - Technical Support And Training - Optimization of Machining Steps - Equipment (bushings) - Tool-Room - Just-in-Time Service





L.M.A. SRL

Via Vercelli, 6
10044 Pianezza (TO)
Italy

www.lmasrl.com

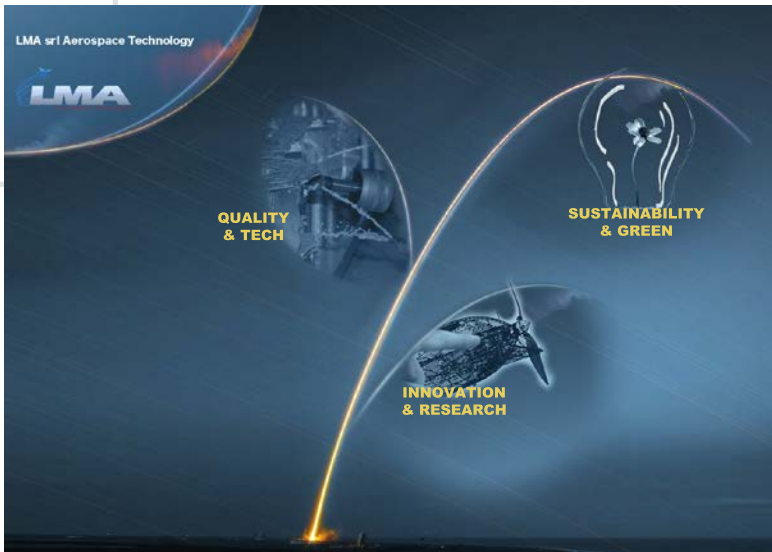
Contact:

Barbara Goia
barbara.goia@lmasrl.it
T: +39 346 2167086

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LMA is an Italian aerospace company with more than 50 years of experience in the design, industrialization and machining of high complex mechanical (aluminum, titanium, steel,...) components which fall within the range 30mm-8.000mm.

LMA can rely on 100+ employees and a whole set (25+) of in house-high tech capabilities. We are currently dealing with the most important players of the aerospace market (civil, military, defense and space): Leonardo, Lockheed Martin, IAI, Sonaca, PFW, MBDA, Thales, APCO, etc...





MAGNAGHI AERONAUTICA

ITA

Via Galileo Ferraris
80142 Napoli (NA)
Italy

USA

Blair Industries, 3671 Horseblock Road
11763 Medford (NY)
USA

www.magroup.net

Contact:

Mario Martini
info@magroup.net
T: +39 334 6378366



MA is a world-leading group with more than 80 years of experience in three major segments of aeronautical sector: aircraft landing, advanced composite aerostructures and surface treatments.

The Group has its roots in Magnaghi Aeronautica, a company located in Naples and founded in 1936 to support Italian Air Force. The Group has been steadily increasing its technological capabilities and geographical footprint. Such internationalisation process continues to represent a strategic priority for the Group, which can boast facilities in Italy, Brazil and US.

Group capabilities cover the full life cycle of our products, ranging from design and manufacture to in-service support, repair and overhaul, offering solutions to military aircraft and commercial platforms for fixed wing aircraft and rotorcraft.

Strongly oriented to innovative technology, MA Group is focused on the development of disruptive technologies aimed to make air transport greener than ever while improving the environmental performance of aircraft.





OMA

Via Cagliari, 20
06034 Foligno (PG)
Italy

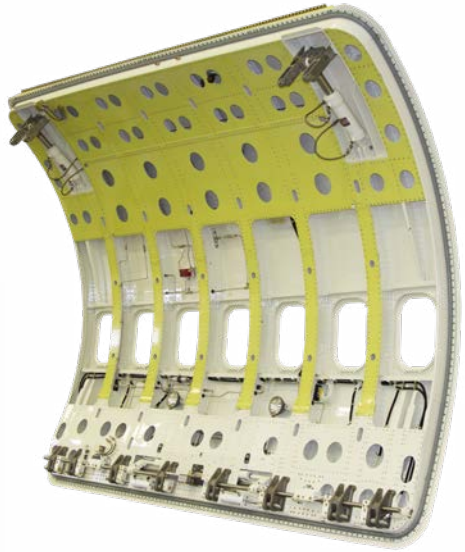
www.omafoligno.it

Contact:

Marco Magaldi
commercial@omafoligno.it
T: +39 348 3079397

in

OMA is a private Italian Company founded in 1948 and acting in the worldwide aerospace market to supply high-value solutions for the design, development and production of integrated aerostructures, hydraulic and electromechanical systems and components as well as maintenance, repair and overhaul services for commercial and military aircraft and helicopters.





OMPMM

Via Fontana, 5
84012 Angri (SA)
Italy

www.ompm.it

Contact:

Laura Caputo
lcaputo@ompm.it
T: +39 335 7249449



OMPMM is an Italian Company founded in 1971 in Angri, South of Italy, whose core business is the production of complex aeronautical structures. During years OMPMM has decisively moved towards a complete verticalization to support customers through all the steps: from the raw material procurement to the final product completion. Then, OMPMM can machine parts of any geometry, material or dimension; can perform bench or in line assembly operations; can treat parts with most of the surface processes used in aeronautics thanks to its NADCAP qualified galvanic plants.

The Company, grown in time thanks to the strong partnership with Leonardo, in the last 10 years has gradually introduced other important customers among which GE Aviation, Boeing and Lockheed Martin. Appreciated for the Quality and the On Time Delivery, but also for the competitive prices and the high flexibility that allows OMPMM to quickly respond at sudden changes in customer needs.





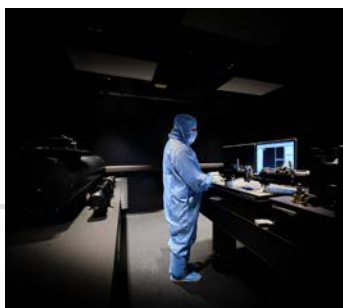
OPTEC S.p.A.

Via Mantegna, 34
20015 Parabiago (MI)
Italy

www.optec.eu

Contact:

Massimiliano Musazzi
mmusazzi@optec.eu
T: +39 0331 021815



Since its start up in 1985, Optec is more than a manufacturer. It is a service organization with a proven record of successful performance.

Optec is always driven by its dedication to serving Customer needs and by its commitment to producing quality products with high performance, with reference to optical sector. Optec's standard and custom products are a result of experience in imaging applications.

In the beginning, Optec provided only lenses, now we offer complete integrated systems. By providing the complete system, Optec is able to optimize system performance rather than just individual component performance. Optec has a great attention to research field, which has conducted us to collaborate with a lot of important partners in Aerospace and Imaging sectors Industry.

Optec has obtained the quality certificate ISO 9001:2015 by TÜV Italy certification. Optec is proposing for New Space Market diffraction limited optics, remotely controlled focus mechanism and multichannel camera assemblies.





O.V.S. VILLELLA

Via Dello Sport, 26/28
21018 Sesto Calende (VA)
Italy

www.ovsvillella.it

Contact:

Antonio Villella
sales@ovsvillella.it
T: +39 033 1922380



Manufacture of aerospace structures - welding - pipes and duct - sheet-metal - machining - assemblies - ndt - surface treatments - heat treatments - maintenance.

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P.C.M.

Via Delle Industrie, 113
80011 Acerra (NA)
Italy

www.pcmgroupsrl.it

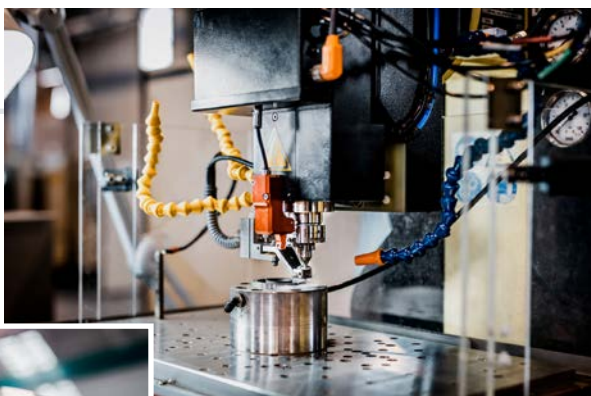
Contact:

Luigi D'Avino
info@pcmgroupsrl.it
T: +39 081 8039281



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ITA

Via Petrarca, 7
33085 Maniago (PN)
Italy

USA

NEAP - New England Airfoil
Products, Inc.
36 Spring Ln, Farmington,
CT 06032
USA

www.pietrorosatbm.it

Contact:

Alessandro Cagnato
info@pietrorosatbm.it
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POGGIPOLINI

Via Emilia 262
40068 San Lazzaro di Savena (BO)
Italy

www.poggipolini.it

Contact:

Michele Poggipolini
contact@poggipolini.it
T: +39 340 4057800



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ITA

Via Vincenzo Auliso, 31-33
70124 Bari (BA)
Italy

USA

7934 Breen Drive
77064 Houston, TX
USA

www.roboze.com

Contact:

Fabrizio Brandi
info@roboze.com
T: +39 347 0826289



Roboze designs and manufactures the world's most accurate 3D printers for producing parts with super polymers and composite materials to replace metals in industries with extreme working conditions.

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SOMACIS

ITA

Via Jesina, 17
60022 Castelfidardo (AN)
Italy

USA

13500 Danielson Street Poway
92064, CA
USA

www.somacis.com

Contact:

Giovanni D'Avanzo
g.davanzo@somacis.com
T: +39 335 1278461



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We have our independent cad/cam laboratory as well as any equipment, in house for evaluation and subsequent testing of the circuit functionality and its industrial feasibility.

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TECNOLOGIE AVANZATE

Via Casino Novelli, 14
03011 Veroli (FR)
Italy

www.tecnavan.it

Contact:

Flavio Mandato
info@tecnavan.it
T: +39 349 7515463



Ours is a manufacturing activity for the production of aerospace component made with composite materials, according to international aeronautical specifications and in accordance with customer specifications. In adequate facilities with controlled environment (Clean Room) qualified and diversified by Customer, thanks to highly qualified personnel with many years of experience, we mainly produce:

- Structural components and not made of solid carbon fiber/glass laminates with epoxy resin and cured in autoclave
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- Components with sandwich structures with aluminum or Nomex honeycomb core and carbon, glass, Kevlar, aluminum, titanium and other skins.
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TEST INDUSTRY - BIMAL

ITA

Corso Venezia, 36
20121 Milano (MI)
Italy

USA

910 S Wells St. Lake Geneva,
53147 WI
USA

www.bimal.com

Contact:

Chris Jorge
info@test-industry.com
T: +1 815 790 9084



Bimal - Test Industry Group designs and manufactures test benches for the aerospace industry. Its main expertise is in R&D, qualification, ATP and MRO applications for Iron Bird systems (FCS A/C and HPS A/C), power train systems as mechanical system (gear box, MGB, IGB, TGB and AGB), hydraulic and electromechanical actuation system (i.e. landing gear system), fuel systems and brake systems.

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UMBRA GROUP

Via Valter Baldaccini, 1
06034 Foligno (PG)
Italy

www.umbragroup.com

Contact:

info@umbragroup.com
T: +39 0742 3481

USA

Umbrac Cuscinetti Inc.
Everett - USA

Romano Beffa

US Chief application Engineer
Rbeffa@umbragroup.com
T: +1 425 879 0993



Founded in 1972 in Foligno, in central Italy, UMBRAGROUP is recognized as an international leader of aerospace ball screws and also as a designer, manufacturer and maintainer of high-quality electromechanical actuators (EMAs) and safety critical solutions.

Present in the United States for more than 20 years, it now has facilities in Everett (WA) and Saginaw (MI) in addition to European sites. The Group employs 1100 people worldwide.

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UAS UMBRIA AEROSPACE SYSTEMS

Via Bufaloro, 21
06089 Torgiano (PG)
Italy

www.uas-group.com

Contact:

Enrico Maiorca
e.maiorca@uas-group.com
T: +39 075 9888222



The UAS company offers a complete partnership with its Customer from engineering design up to manufacturing of high technological avionic systems. Mechanical and hydraulic equipment fully Integrated with electronic board and embedded software. One partner for a complex job. UAS electromechanical actuators, brake control systems hydraulic or fully electric, are installed in different types of aerial vehicle: civil/military aircrafts and helicopter together with UAVs and tiltrotors.

UAS is also fully involved in the development of new electromechanical actuators and other equipment for the UAM market. UAS is also focused on innovative high tech solutions with a dedicated team for Research Projects development. UAS company is in compliance with the Standard EN 9100:2018 for the design and production of its products for Aeronautical Sector.





VECA GROUP

Via Morello Mezzo, 101/105
41019 Soliera (MO)
Italy

www.veca-group.it

Contact:

Alberto Verasani
veca@veca.it
T: +39 349 0793343



Veca Group is an Italian industrial firm that produces individual mechanical components and assemblies according to client specifications, carrying out functional testing in-house. The Group's rapid supply chain is guaranteed by its companies, VSystem, RETME, AMT, and IMAR, specialists in hydroforming, the processing of special materials, grinding, additive manufacturing, milling, and turning.

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VECTION - MINDESK

Via L. da Vinci, 155
20062 Cassano d'Adda (MI)
Italy

www.vection-technologies.com

Contact:

Gabriele Sorrento
hello@mindeskvr.com
T: +1 415 504 1514



Mindesk is a Vection Technologies platform that enables AR/VR and real-time rendering for CAD and BIM professionals. The platform is compatible with the main CAD and BIM software used by designers, architects and engineers working at world's leading architecture studios, automotive manufacturers, naval or industrial design firms. The company has a presence in Bologna (Italy), Perth (Australia) and San Francisco (USA).

Through a combination of our 3D, Virtual Reality, Augmented Reality, Industrial IoT and CAD solutions, Vection helps companies and organisations to innovate, collaborate and create value.





HOUSTON

777 Post Oak Blvd
Suite 320
Houston, TX 77056
T. +1 281 888 4288
F. +1 281 974 3100
houston@ice.it

LOS ANGELES

1900 Avenue of the Stars
Suite 350
Los Angeles, CA 90067
T. +1 323 879 0950
F. +1 310 203 8335
losangeles@ice.it

CHICAGO

401 N. Michigan Avenue
Suite 1720
Chicago, IL 60611
T. +1 312 670 4360
F. +1 312 670 5147
chicago@ice.it

NEW YORK

33 East 67th Street
New York, NY 10065
T. +1 212 980 1500
F. +1 212 758 1050
newyork@ice.it

MIAMI

1 SE 3rd Avenue
Suite 1000
Miami, FL 33131
T. +1 305 461 3896
F. +1 786 497 8900
miami@ice.it

ROME

Via Liszt, 21
00144 Rome, Italy
T. +39 06 59921
F. +39 06 89280353

www.ice.it

