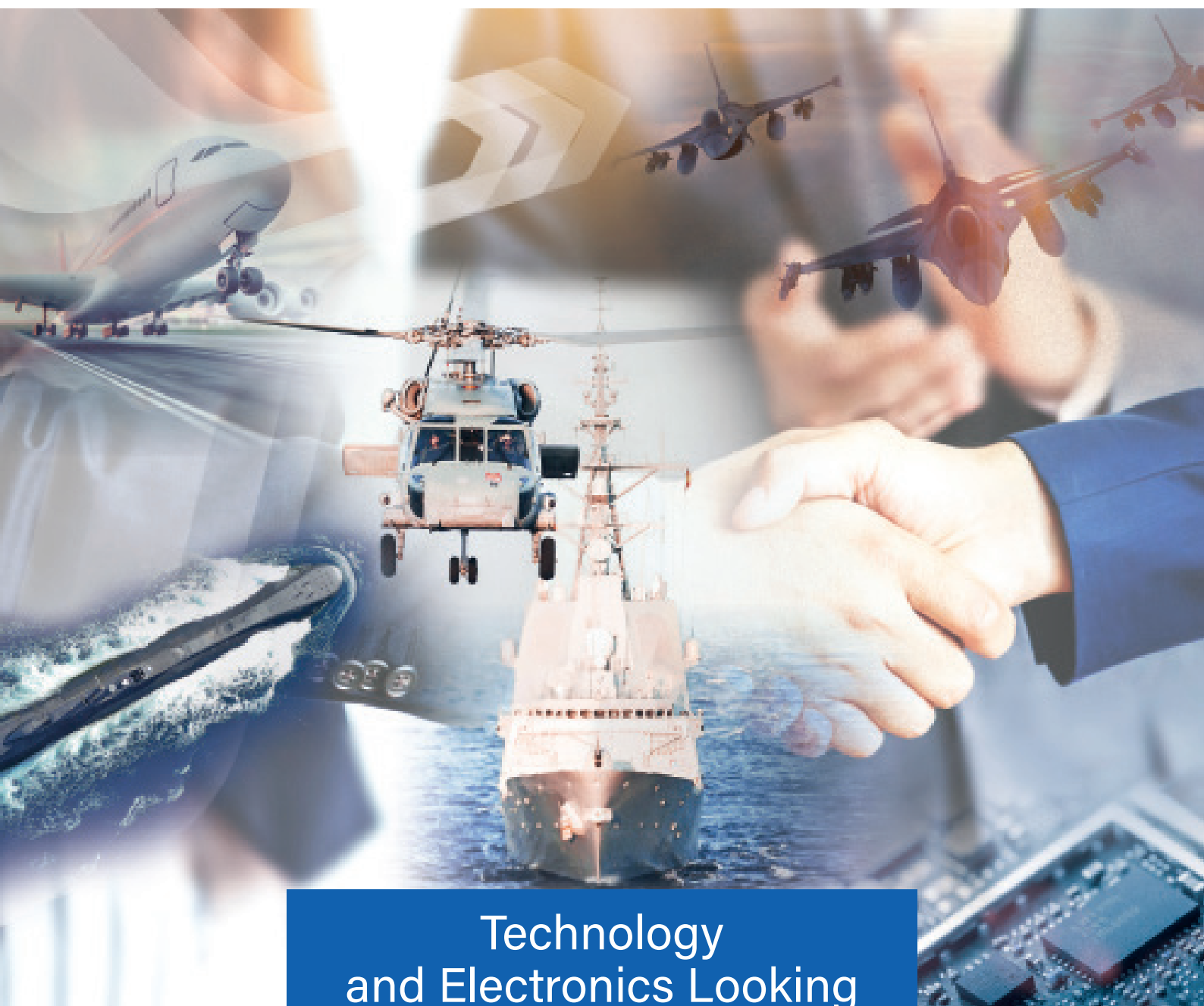




Technology and Quality Developers

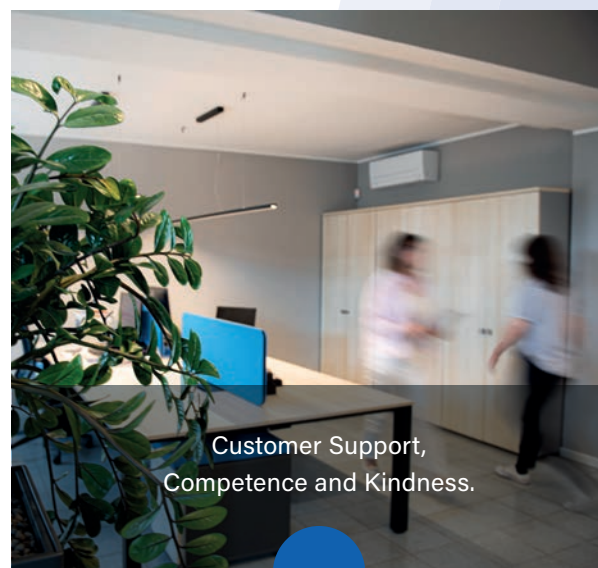


Technology
and Electronics Looking
for the Future

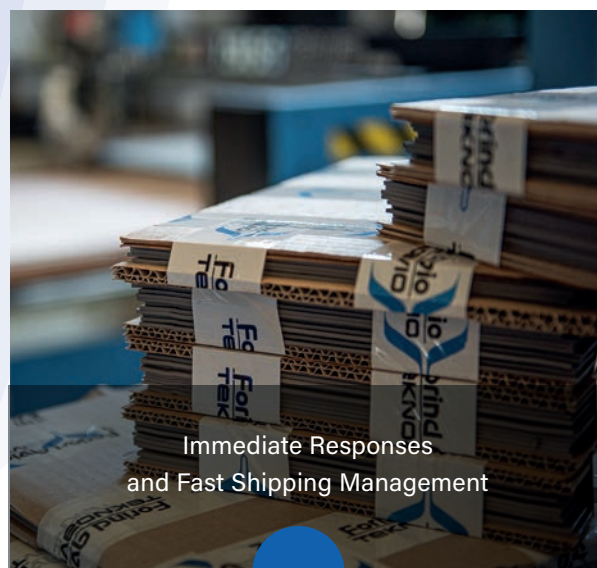
www.forind.it



Technology and Quality Developers



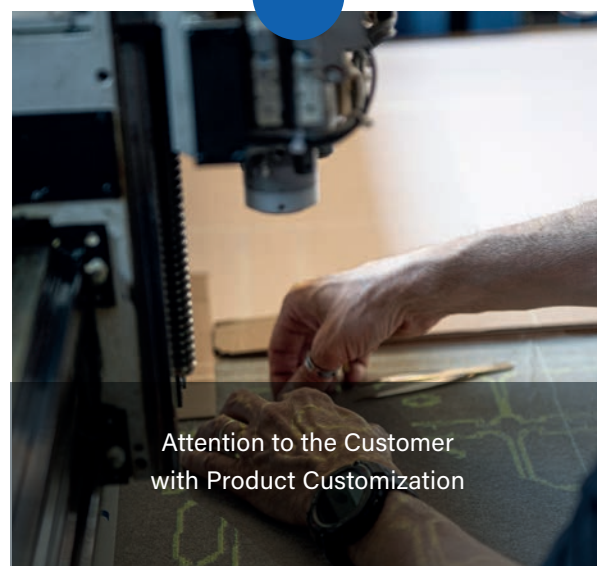
Customer Support,
Competence and Kindness.



Immediate Responses
and Fast Shipping Management



Production Department,
High Competence and Seriousness



Attention to the Customer
with Product Customization



“ Choose the job you love and you won't work
not even a day in your whole life ”
Confucio

"I recognize these words as mine, I love my job"

Andrea Lechiancole, CEO Forind Avio

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Milan, Italy





Technology and Quality Developers

Forind Avio, an Ever-present Visionary Story

The new headquarter



Forind Avio Elettronica, founded in 1973 as distributor for Electronic Passive Components, Gasket and Logistic Systems for Military and Industrial Market.

In the eighties Teknoavio was founded, as a distributor and representative of Tooling & Fasteners Systems for the Aerospace and Defense Market.

Today Forind Avio is a consolidated and leading brand in the market, for the quality of its products and for the efficiency of its services. The company is renowned for its highly customizable offer.

Forind Avio's Departments

Electronics Division & Mechanics

Highly qualified in passive electronic components such as shielding gaskets, thermally conductive materials, ferrites, small parts for electronic boards in SMD technology, special gaskets, microwave absorbers and dielectrics, PTC heaters, technical containers and cases for equipment transportation.



”

Aerospace Division & Defense

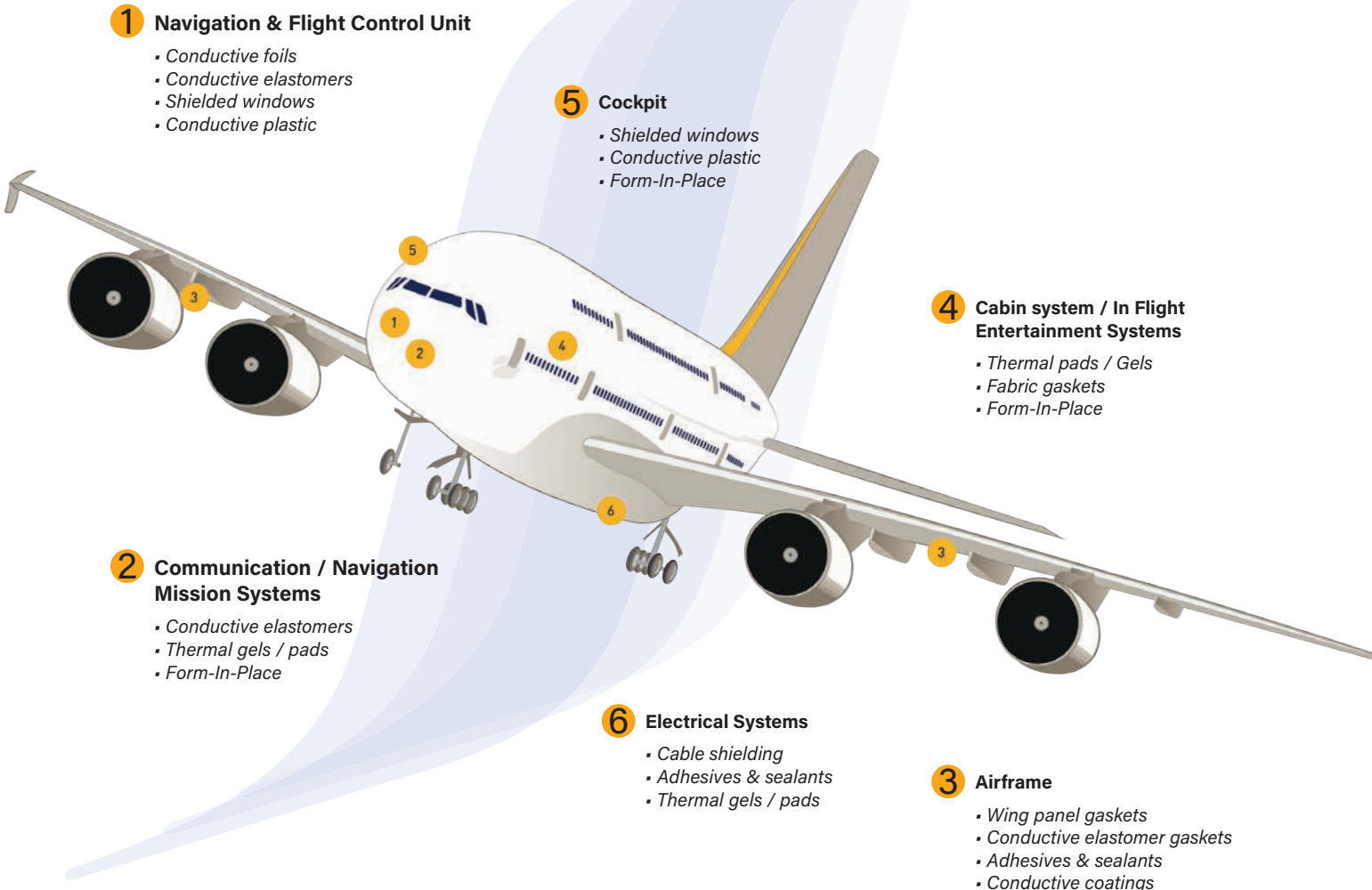
Specialized in the marketing of Tools and Fasteners for Aerospace, products for painting and cleaning in the Aeronautics and Defense sectors.

Exclusive high-performance products and the competence of trained staff are a guarantee of success



”

EMI/RFI Shielding Solutions



Did you know that as aircraft adopt lightweight metal-laminated composite material designs, Parker Chomerics' conductive materials play a crucial role in providing electrical continuity ensuring safety and reliability. Whilst composite materials give weight savings leading to improved fuel efficiency and reduced environmental impact, they make the management of electromagnetic interference, grounding and lightning strike protection more challenging. Chomerics' materials enable these challenges to be addressed successfully.



Forind Avio official distributor of Chomerics and **Tecknit products** which are divisions of the **Parker Group**, leader in the production of innovative materials. The range consists of conductive elastomers, conductive gaskets in "soft" fabric, fingerstock, conductive adhesives, conductive paints, metal gaskets with or without elastomer, glass and screened glass or plexiglass filters, honeycomb filter, conductive adhesive tapes, plastic and glass EMI shielded windows, honeycomb filters, conductive heat shrink.

The products comply with the most stringent tests and certifications in the industrial, aerospace and military fields.

EMI/RFI Shielding Solutions



”

Conductive Sheets



”

Conductive Extrusions

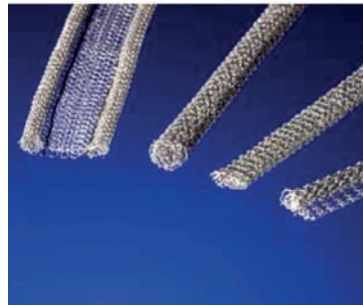


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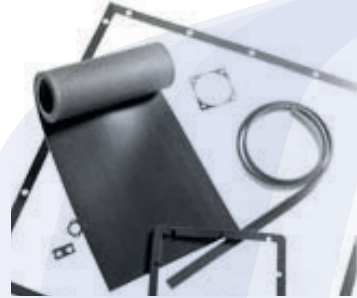
Conductive seals for connectors and O-Ring



EMI/RFI Shielding Solutions



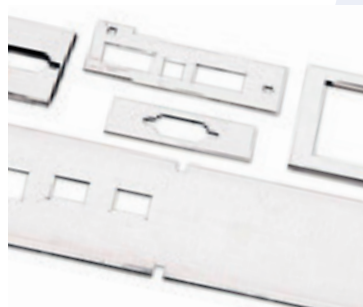
Conductive metal gaskets



Conductive metal rubber gaskets



Fingerstock contact springs



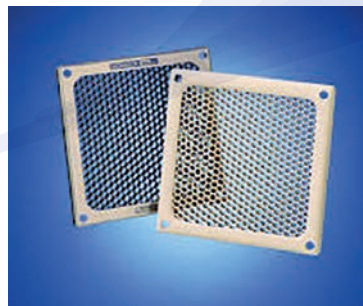
Tissue and Soft Shield



Depositable seals
Form in place (FIP)



Metal Laminates



Honeycomb shield
ventilation filters

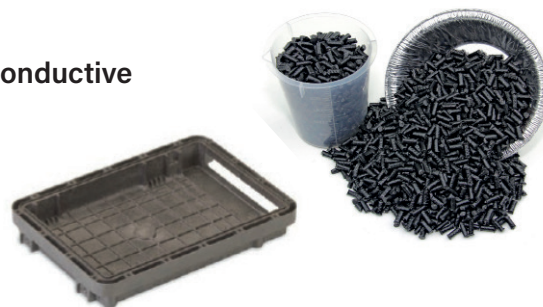


Cable shields



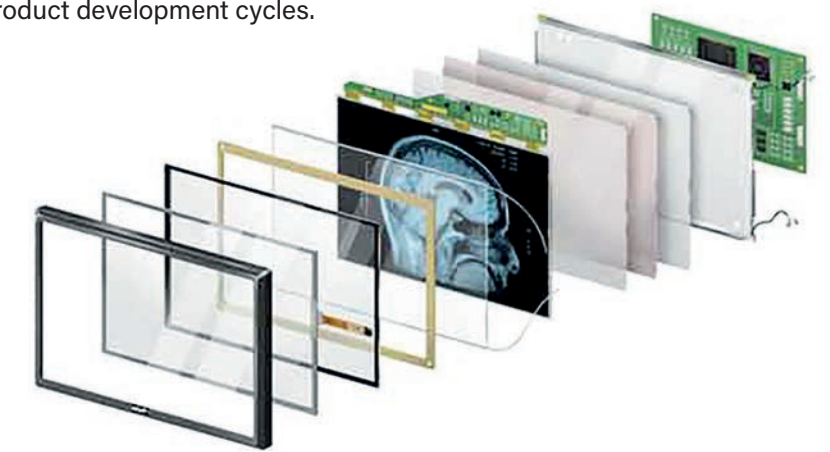
Electrically Conductive
Paints

PREMIER
High-Performance Conductive
Thermoplastics for
EMI Shielding
Conductive Plastics



LCD Display Protection and Enhancement

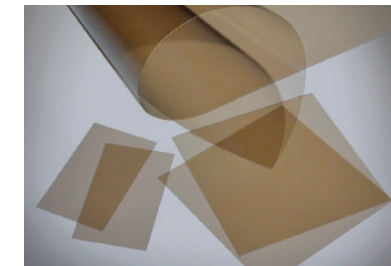
Offers a wide variety of touchscreen, window and LCD solutions for military, medical, aerospace, and industrial display applications. Providing turnkey solutions with integrated assemblies aids in fast design cycles and fast to market product development cycles.



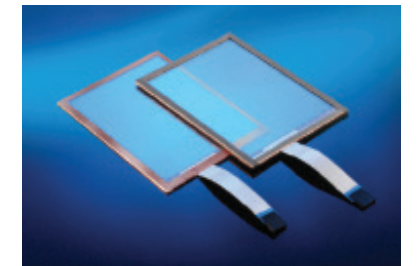
LCD Display Protection and Enhancement Categories



Custom Screen Protectors
for Industrial Displays



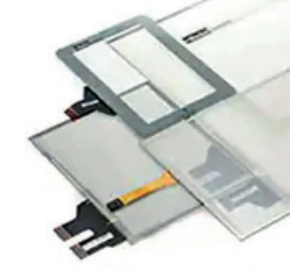
EMI Shielding Film



EMI Shielding Touch
Screens



Glass Windows
for Displays



Plastic Windows
for Displays



Standard Integrated
Touchscreen LCD Displays

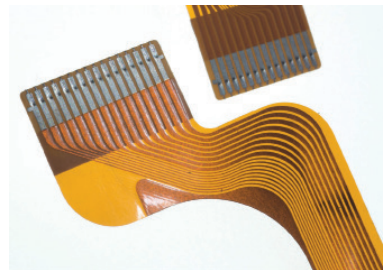


Electrically Conductive Compounds



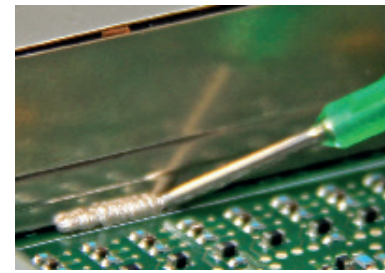
Electrically Conductive Silver Polyurethane coating for airframes

It's a smooth, highly conductive flexible silver-filled polyurethane coating designed for military/aerospace airframe applications.



Electrically Conductive Inks

Electrically conductive adhesives are primarily used for electronics applications where components need to be held in place and an electrical current can be passed between them.



Electrically Conductive Adhesives

Electrically conductive adhesives are primarily used for electronics applications where components need to be held in place and an electrical current can be passed between them.



Electrically Conductive Paints

Electrically conductive paints and coatings deliver critical EMI/RFI shielding on plastic and composite housings of electronic assemblies, as well as aircraft and airframe components.



Electrically conductive grease is designed for surface-to-surface, particularly metal-to-metal, sliding contact areas requiring continuous electrical paths such as a switch or commutator.



Electrically Conductive Paints



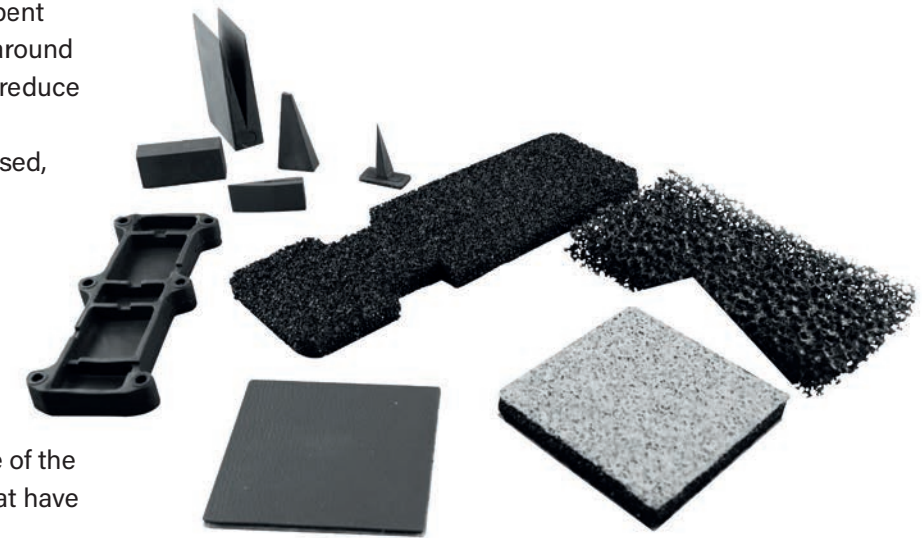
Electrically Conductive Sealants

Nickel-plated graphite filled electrically conductive silicone sealant.



Microwave Absorbers | RFID

MAST Technologies is a leader in the design and manufacture of microwave absorbent materials. Historically, military forces around the world use microwave materials to reduce high frequency energy reflections. However, as clock speeds have increased, there has been a trend towards using microwave absorbing materials in commercial applications. Consumer electronics, laptops, wireless LAN devices, network servers and switches, wireless antenna systems, cell phone base stations are just some of the high frequency device applications that have adopted this technology.



Tuned Frequency MR1



Cavity Resonance MR2



Surface Wave MR3



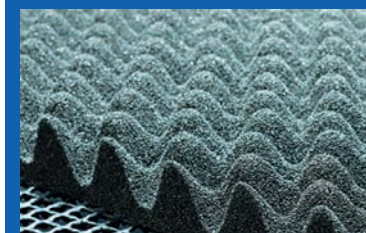
Low Frequency MR5



Reticulated Foam MF1

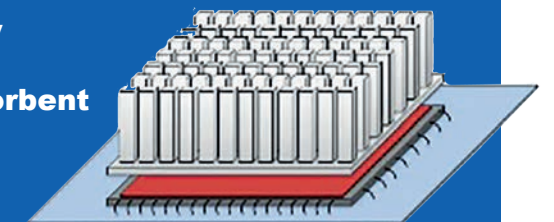


Lossy Foam MF2



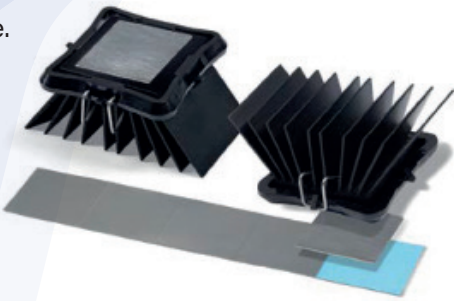
Convulted Foam MF3

MS32 Thermally Conductive Microwave Absorbent

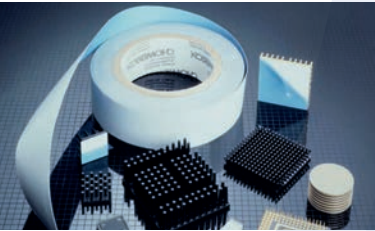


Thermal Interface Materials

Thermal interface materials transfer heat from electronic components to heat sinks and are used to eliminate air gaps from the interface. Deliver lower thermal impedance, higher thermal conductivity and greater compliance and conformability.



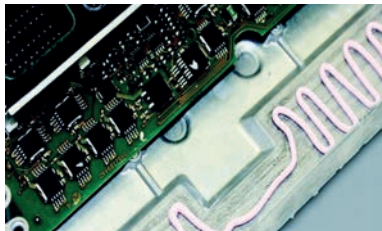
Thermal Interface Materials Categories



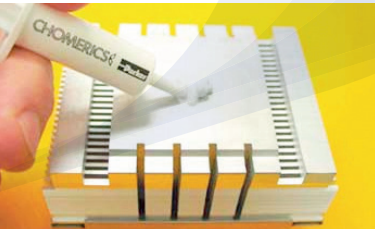
Thermally Conductive Double-Sided Tapes
THERMATTACH®



Thermally Conductive Potting and Encapsulation
THERM-A-FORM™



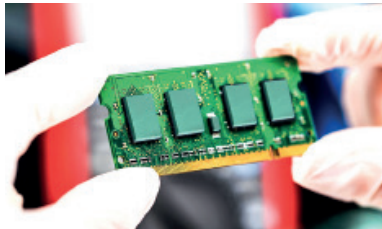
Thermally Conductive Gel
THERM-A-GAP™ Gels



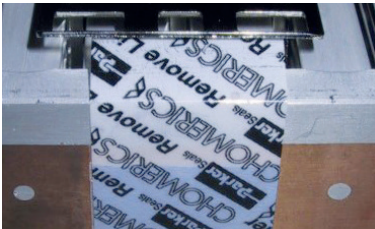
Thermally Conductive Greases
THERMAL GREASES



Heat Spreaders Thin Heat Spreaders
T-WING®



Thermally Conductive Pads
THERM-A-GAP®



Thermally Conductive Phase Change Materials
THERMFLOW®



Thermally Conductive Liquid Dispensed Adhesives
COOLTHERM®



PTC Technology - Fan Heaters for anti-condensation and frost protection in enclosures. Highly reliable, inherently safe PTC heaters with self-limiting temperature characteristic. Our PTC heaters can be individually combined with the desired accessories and will fit into almost any application.



PTC Cartridge Heaters



PTC Conductive Heating



PTC Convection Heaters

PTC Heating Technology



PTC Finned Resistor Heaters



PTC Fan Heaters



High Voltage Water Heater



Evaporator



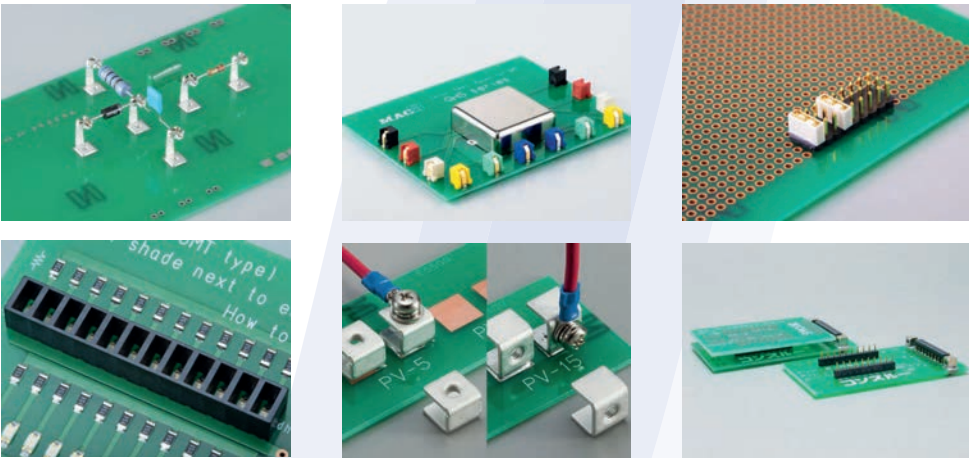
Control unit for heating elements



Mechanical Components for PCB

Forind Avio is an authorised **MAC8** distributor, stocking a wide selection of electronic components and supporting design registrations. MAC8 leader in the production of mechanical components for PCBs. The range includes all fixing systems for electronic boards in SMD technology, such as: Spacer, Connectors, TestPins, Jumpers and Socket Pins.

All products can be made and modified according to technical specifications by the customer.



Electromechanical Componets




Highly qualified company in the production of electromechanical components and inductances, it turns with particular attention to the military, aerospace and industrial markets. Single pole sockets, terminals, PCB connectors, radio frequency connectors, RF coaxial connectors, soldering terminals, inductors and coils.

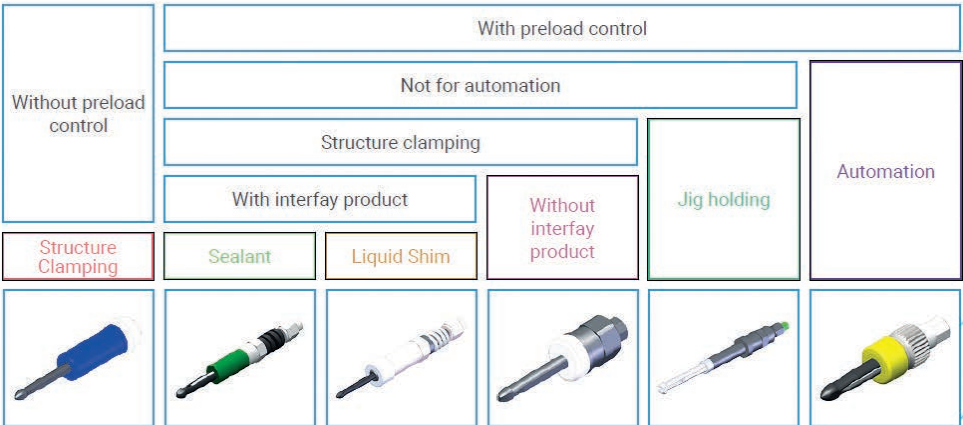




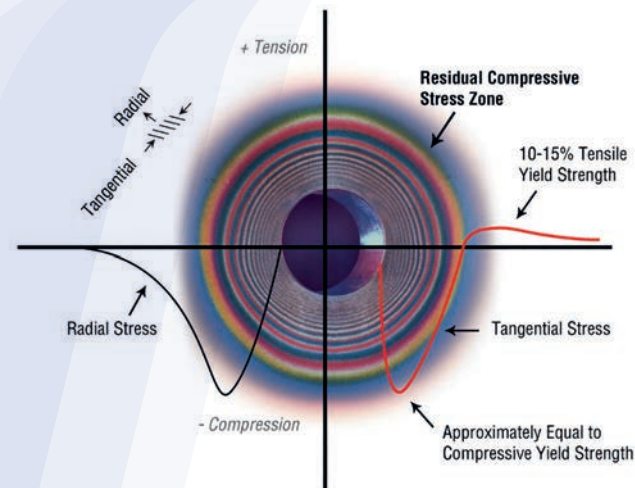



Temporary Fasteners and Drivers

The aerospace pre-assembly solutions developed by LISI AEROSPACE are today supporting the assembly of hundreds of aircraft all over the world; this range of temporary fasteners is unique in the aerospace market. Built step by step to answer successive customer challenges, it represents today dozens of standards for various applications which can be manufactured in different diameters and grip ranges. Depending on the environment of the installation, on the structure to pre-assemble, on the preload to sustain, on the application to secure, we have the appropriate pre-assembly solution.



Cold Working Technology for Fatigue Life Improvement



ForceMate

The installation of ForceMate bushings results in the following advantages:

- 1) improvement of fatigue life of the part of the structure affected by its application.
- 2) Potential reduction of the weight of the structures.
- 3) Excellent resistance to migration and rotation.
- 4) Reduction of production and maintenance times.



ForceTec

Among the countless advantages that the Force Tec rivetless nut plate installation system offers compared to traditional installation systems, it is essential to underline: 1) Improvement of the fatigue life of the sections of the structure affected by the installation. 2) Reduction of installation times. 3) Potential weight reduction of the structures. 4) Corrosion resistance. 5) No sealant required after installation.



ForceTec Modular

Innovative and unique Nutplate installation system with interference in a composite material structure. Appropriately engineered to avoid delamination problems, the ForceTec Modular allows a quick installation and guarantees excellent sealing properties avoiding the use of sealants.



FlexMate

FlexMate fittings are installed by using FTI advanced knowledge of the cold expansion process. Tested and approved for different applications such as fuel systems, inert gas systems and electrical systems.

Leader in the production of technologies for the cold expansion of holes in metal structures to increase the fatigue life.

Processes for installing **ForceMate** bushings, **ForceTec** rivetless nut plate, **Flexmate** hydraulic/electrical fittings.

Applicable to different types of materials including composites.



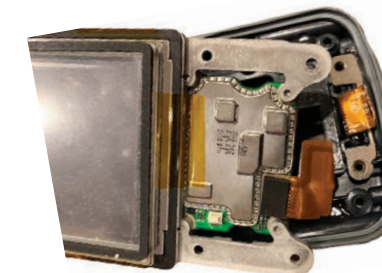
FATIGUE TECHNOLOGY

SnapShot® shielding products



Forind Avio is the official distributor of XGR Technologies products.

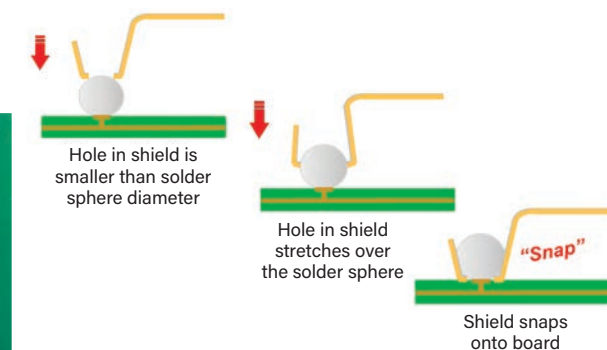
XGR Technologies' SnapShot® shielding products offer the lightest board-level shields available and have over two decades of proven success in hundreds of applications across all industries. SnapShot® shields are leveraged by leading drone manufacturers to optimize the performance of their military and industrial drones. Sales of SnapShot® custom EMI shielding products have grown significantly over the past two years, as XGR proudly supports military defense efforts around the world.



Solder Spheres attached during reflow



SnapShot® Shield Attached after reflow



Ideal for applications where grams matter
Specialized thermoplastic material is extremely lightweight. Thin, non-ferrous engineered polymer is metallized with tin on the outside surface



Complete the Perfect Shielding Package with Solder Spheres

To facilitate the use of XGR SnapShot EMI Shield on your product, XGR is proud to provide solder spheres in tape and reel packaging.

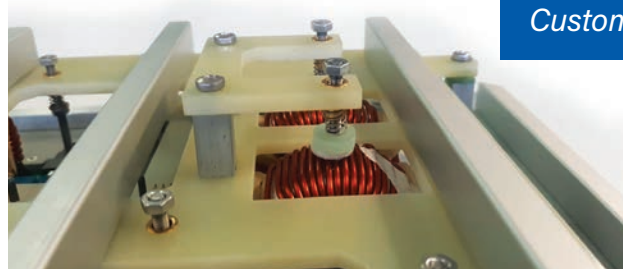
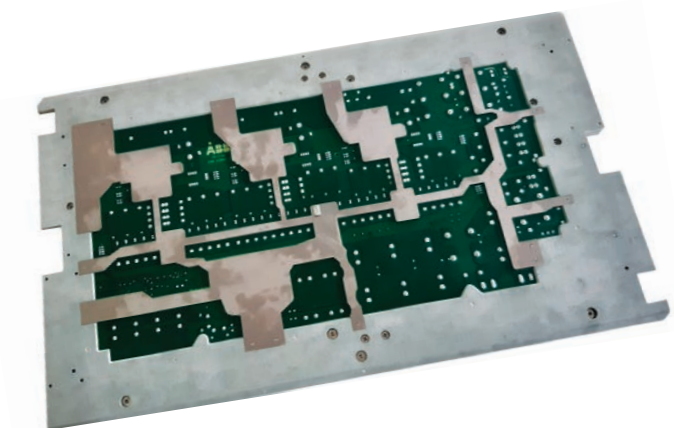
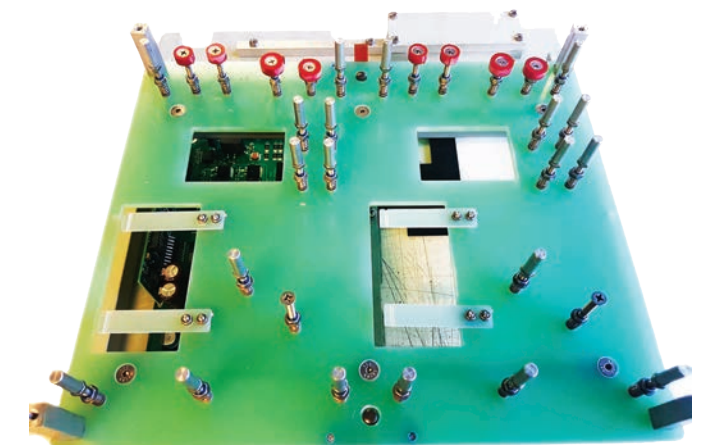
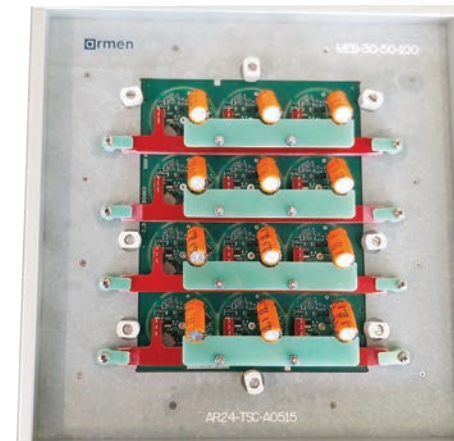
XGR
TECHNOLOGIES

Leader in the production of PCB Carriers and Electrical Insulating Materials



PCB Carriers for Welding, coating and Nacelle

Engineering and production of tailor made PCB carrier including Titanium support for long life efficiency



Customized solutions for specific needs.



Honeycomb and aircraft interior structures



The **YOUNG ENGINEERS®** is leader in developing innovative fasteners and components for honeycomb and aircraft interior structures.

The product range includes standard and special on-drawing parts like Floating Nut Inserts, Loret Latches, Floor Panel Inserts, High Strength Panel Inserts® and the related installation tooling.



High strength plastic inserts

Loret isolator inserts

Balance Weights

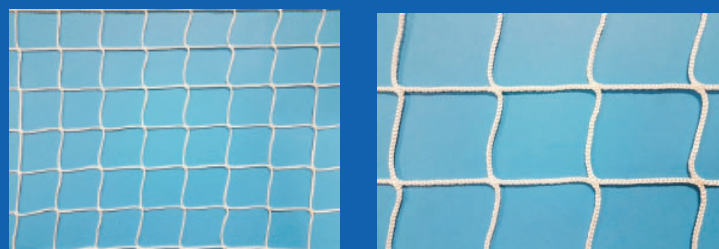


Balance weights for helicopters - blades/rotors - and for airplanes fuselage in different material: Lead, Tungsten, Steel, Aluminum, Nylon.

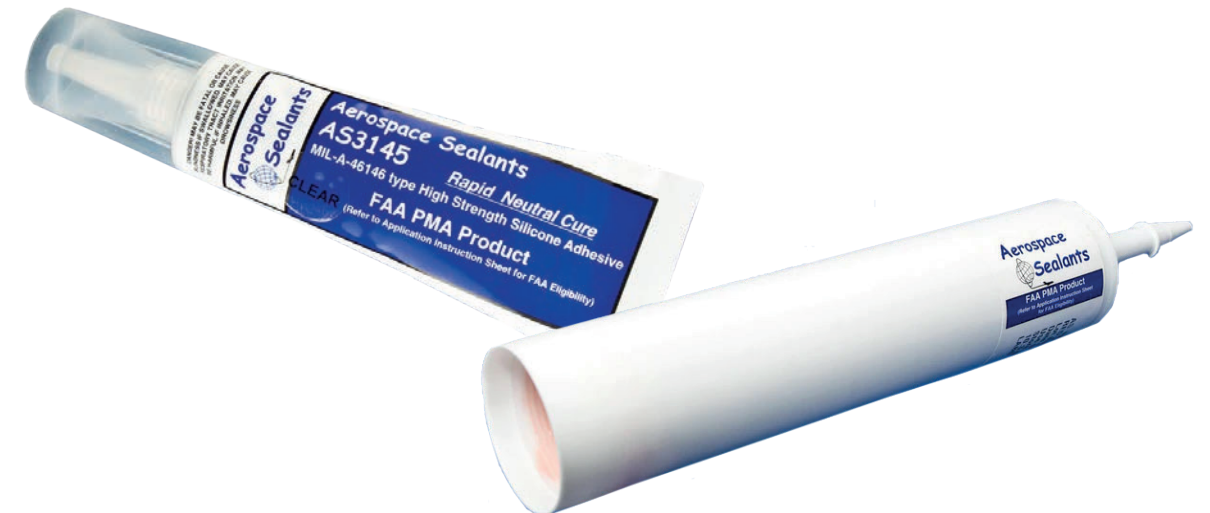
We can guarantee the technical support starting from the Customer's drawing to the production. We guarantee the steps as mold production, surface treatments and painting.

Nylon Net - spec. NTA19950 -

We produce and deliver **Nylon Net - spec. NTA19950** - used onboard the airplanes as thermal and acoustic insulation. Different dimensions available.



AS RTV Adhesive Sealants



The only FAA-PMA products approved as alternatives to RTV106, RTV157, RTV159 and RTV3145.

AS RTV adhesive sealants are high strength, silicone RTV adhesive rubber developed for high.

temperature applications requiring fast development of physical properties and excellent adhesion.

Smart Choice for RTV

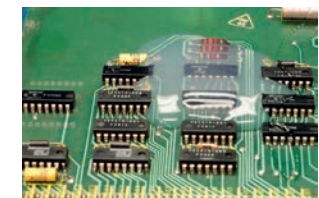
Economical

In Stock

Shelf Life Guarantee

FAA PMA & MIL Spec Compliance*

* Applicable to AS RTV and selected PS RTV



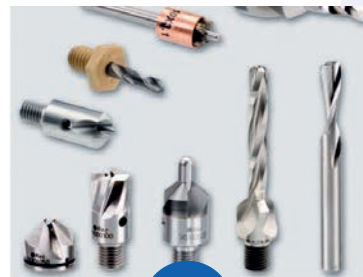
Aerospace Sealants
An Aero Pneumatic Company

Aerospace Tools

Fastener Tools, Material Removal Tools, Assembly Tools (drivers), Riveting tools, Drills, Special Cutting Tools, Microstop Cage For Drilling, Reaming and Countersinking



Riveting Installation Tools



Drilling | Countersinking | Flaping

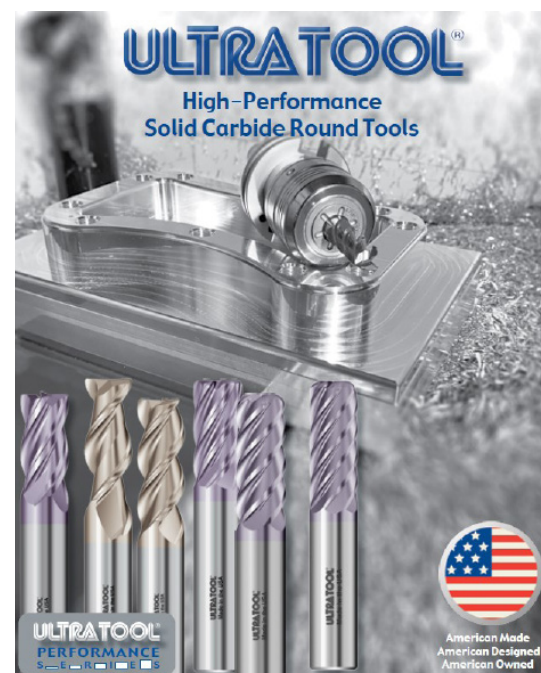


Cutting Tools

Distributor of *solid carbide end mills* and *drills* for machining steel, aluminum, nickel, titanium and composite alloys, both for the aerospace and industrial markets.

- ✓ End Mill: Aluminum
- ✓ End Mill: Steels, Stainless Steels, Titanium, Inconel
- ✓ End Mill: Steels, Stainless Steels
- ✓ Drill with AT coating: Steels, stainless Steel
- ✓ Drill with AT coating: Ateels, stainless steel

Contact us for the evaluation of the samples and the possibility of carrying out tests according to specific needs.

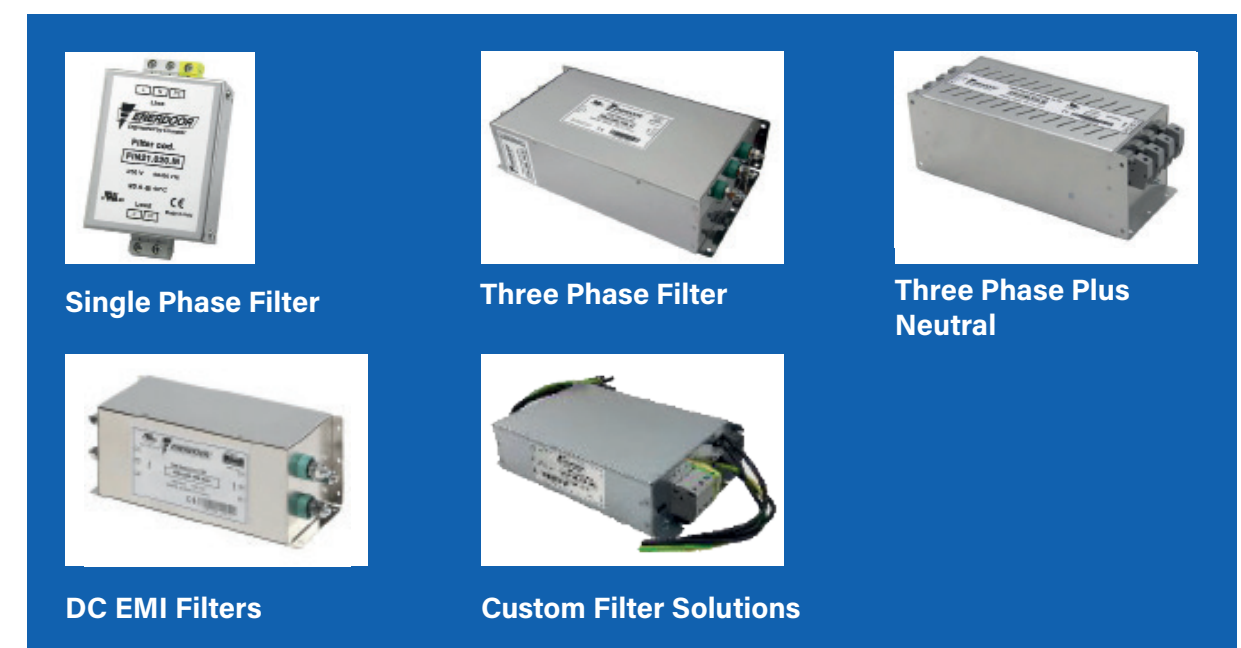


MIL/RFI Filters

Designed for military ship, shelter, ground staff, avionics and telecommunications. Available with various options upon request.



EMI/RFI Filters Product Overview



Forind Avio, Tailor-made Look

Transport Case



Forind Avio offers the broadest range of high performance protective and operational cases used for the transport, operation and storage of military and commercial equipment.

Forind Avio is able to offer the solution that best suits your needs, with the possibility of customizing the suitcases.

NANUK Protective Cases

They are used for sensitive equipment such as medical devices, drones, cameras, firearms, A/V equipment, measurement equipment, OEM product solutions and computers.



plastycase
NANUK

Transport Case



FARADAY CASES manufactured with flame retardant and self-extinguishing material. They provide electromagnetic shielding thanks to the conductive resin that protects your contents from collision and impact damage.



Rotomoulded Cases and Racks



Transport containers in double-walled polypropylene with IP67 seal, 19" rack, rotomoulding containers and transport systems in aluminum.

The range is completed with custom products made according to the highest military specifications.

Custom Made Customizations

Personalization and design becomes a tailor-made product. We seek and develop the best solution for our customer's request.



Ask us your needs and we have the perfect tailor-made solution



Technology and Quality Developers

Forind Avio, the Best Partner for Your Projects

We look to the future to shape ideas and develop projects



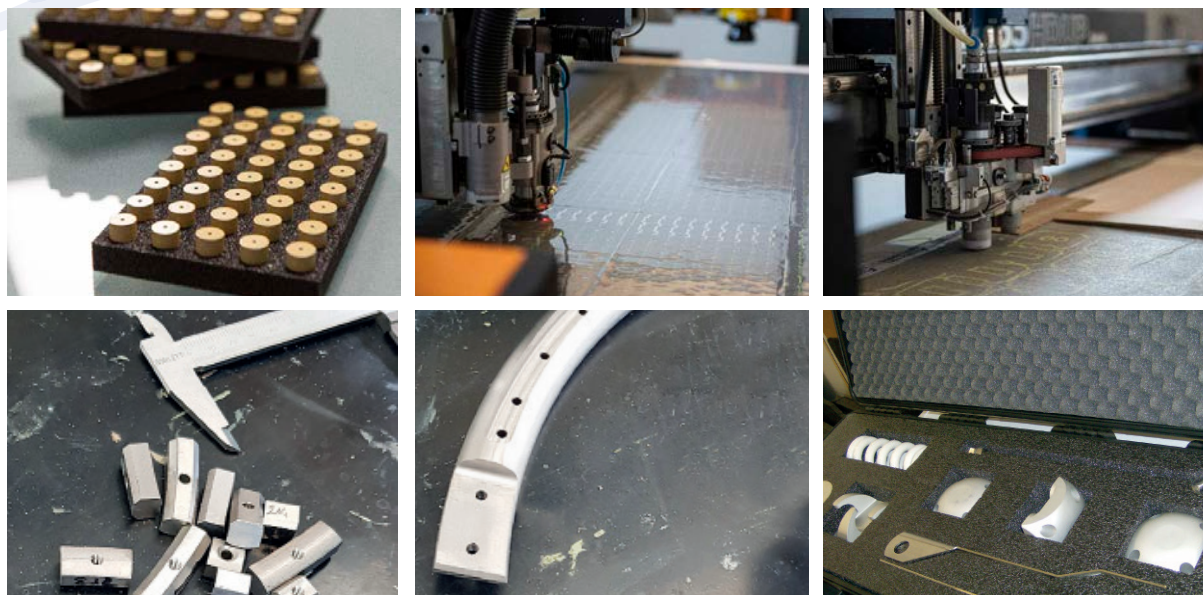
Strengthened by a customization service, aimed at responding to increasingly targeted market needs, we create tailor-made projects that reflect the required characteristics with the aim of personalizing the response.

Customized Projects

From your idea, we develop the customized project
and create your tailor-made product



Protections for aerodynamic surfaces and mechanical parts. Wherever it is necessary to protect against debris, accidental impacts, scratches or contact damage. Where it is useful to protect operators or for any other need for the management and handling of high-tech aeronautical components, Forind Avio can provide the solution to your need.



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Technology and Quality Developers

Forind Avio, guarantees the care of detail

It makes use of the best measurement control instruments



Dimensional measurement system using images

With the ability to perform high-definition images, the IM-8000 series image size measurement system triples the detection performance compared to traditional systems.

Simultaneous measurements performed in few seconds.

The automatic adjustment ensures homogeneous measurements.



Advanced features to measure small, large and three-dimensional parts.

Measurement settings, automatic saving of information and creation of inspection reports.

Forind Avio makes use of best technology offered by the market to ensure the highest quality even in the smallest details.





Forind Avio Elettronica S.r.l.

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Armen S.r.l.

Via G. Ratto 17D | 16157 Genova, Italy

Phone: +39 02 95343080

info@forind.it



www.forind.it