



Futuro

soluzioni per l'industria

OIL & GAS

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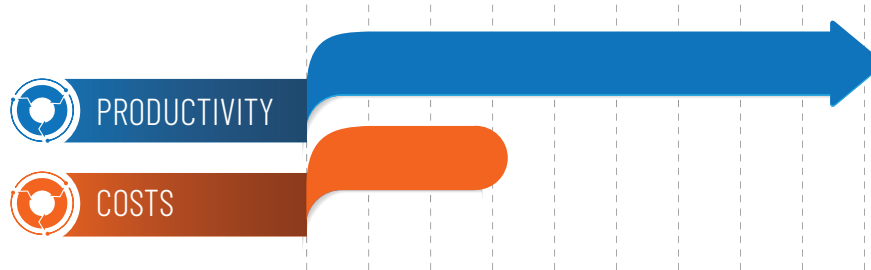


A “Future” overview!

Our reality is born from some CEO's idea.

Deeply experts of the industrial world and its needs.

They understood the Customers desire to have an **integrated service** to enhance their productive and the purchasing power.



Our **mission is to help the Customer creating value** added by increasing his productivity and proposing solutions designed specifically to reduce costs over the time.

We do everything with experience, competence and passion.

Certified Quality

- Every part is inspected to ensure the highest quality.

We are certified
EN 9120:2018, AS9120B
ISO 9001:2015

Our quality system ensures that every part in our warehouse satisfy or exceeds OEM specifications.

Mission



Fields



Oil & Gas

In a very particular sector, where safety and the environment has to coexist the use of systems and tools technologically advanced is fundamental, just as Futuro proposed.

We support maintenance centers, plant managers, OEMs and their subcontractors involved in the Oil & Gas market supplying spare parts, components, semi-finished goods and raw materials.

We can also manage maintenance and handling equipment, on Customer behalf, outsourcing activities. Any downtime is extremely harmful, whenever your gas turbine is not working you are losing money, for this our goal is get your turbine back into operation as quickly as possible providing spare parts, assistance or expert advice.

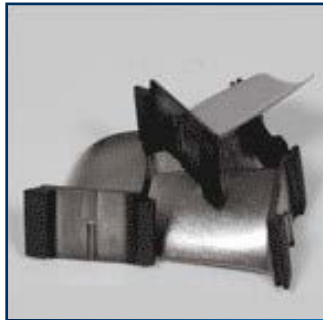
Responsive ability and competence are the basis of our philosophy, qualities that have made us famous in an industrial sector very demanding as Oil & Gas Market.



We provide spare parts, tooling and components for Aeroderivates engine (LM series) GE Frame 3-5-6-7-9, generators and alternatives centrifugal compressor.



Bearings



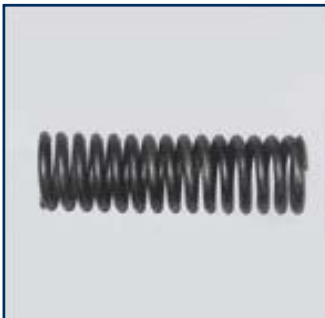
Airfoils (Blades & Vanes)



Actuators



Brackets



Springs



Pumps



Safety cables



Screens



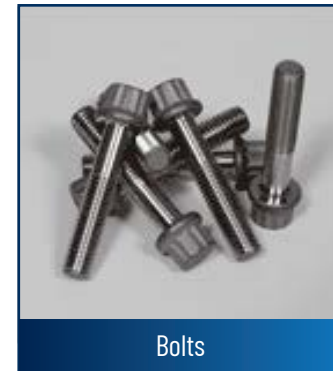
Flame sensor



Gaskets



Nuts



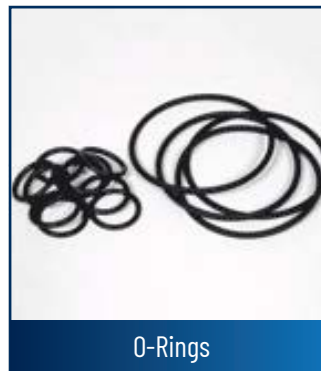
Bolts



Probes



Filters



O-Rings



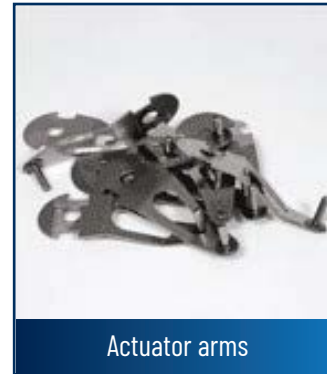
Plugs



Cables



Detectors



Actuator arms



Sensors



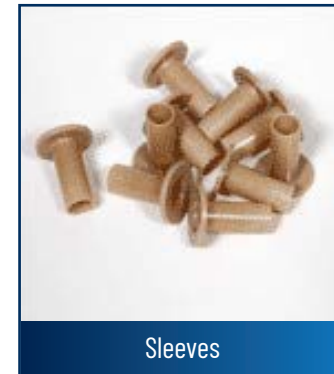
Clamps



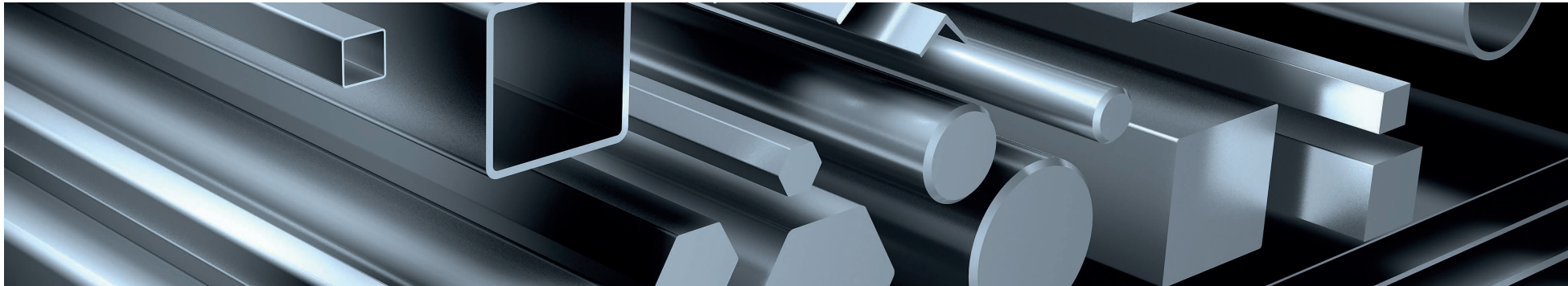
Accelerometers



Spacers



Sleeves



Forms

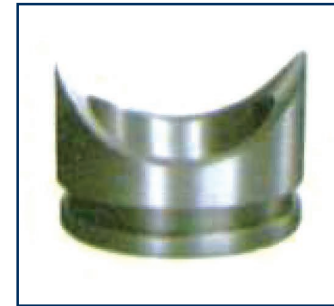
- 🔗 Sheet
- 🔗 Plates
- 🔗 Bars
- 🔗 Tubes
- 🔗 Extruded

Materials

- 🔗 Titanium
(6Al-4V, series CP GR 1,2,4,5,7,8,12)
- 🔗 Steel & Inconel
Nickel (Inconel 625 -718 -725,
Inox (Maraging, 17/4 PH, 15/5 PH, ...)
Carbon Alloy (LF2, F6NM, F22, X42,
Waspalloy, A268,...) 4130,...)
- 🔗 Aluminum
(2xxx, 5xxx, 6xxx, 7xxx)

Products

Products	Max Size	Max Weight
Shafts	12mt Long.	50 Tons
Disc	2800mm Dia.	30 Tons
Blocks	2000X2000mm	50 Tons
Rings	2400mm Dia.	30 Tons





Thrust Block - 1220 MM x 640 MM THK - 4,5 Tons Wt.



Hydro Shaft - 9M Length x 265 MM DIA - 10 Tons Wt.



Fan Shaft - 6M Length x 735 MM DIA - 8 Tons Wt.



Turbine Shaft - 2,8M Length x 650 MM DIA - 9 Tons Wt.

Products

Carbon Steel	C45, A105, EN8, EN9 etc.
Low Alloy Steel	EN19, En 24, EN25, 9 Cr1Mo, 42CrMo4, 4130, 4140, 15CDV6, 8630, etc.
Stainless Steel	304, 316L, 321, 347H, etc.
Precipitation hardened Steel	17-4 PH, 15-5 PH, etc.
Duplex Stainless Steel	F51, F60, etc.



Bearings

- ⦿ Cylindrical roller bearings
- ⦿ Self-lubricating bearings
- ⦿ Heavy duty bearings
- ⦿ Pins, rollers, shafts, bushings and washers



Seals

- ⦿ Encapsulated
- ⦿ O shaped rings
- ⦿ Cold extrusions / profiles



The best Customers in Power Generation

- ⦿ GE Aircraft Engines, GE Energy, GE Oil & Gas
- ⦿ Pratt & Whitney
- ⦿ Rolls-Royce
- ⦿ Siemens

Engine applications

- ⦿ Actuator shaft support
- ⦿ Aft and bow mounting brackets
- ⦿ Integrated fixed or variable connection
- ⦿ VSV lever arm assemblies / bushings

Turbine applications

- ⦿ High temperature bearing bearings



FEP / PFA encapsulated gaskets

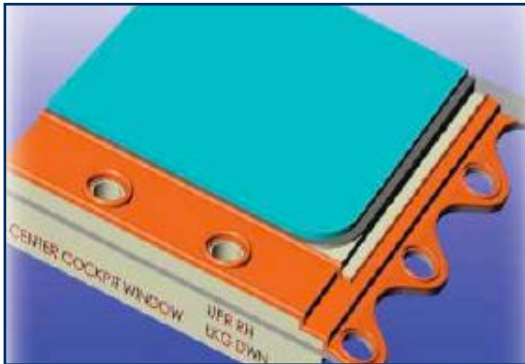
- ⦿ Encapsulated O-rings are generally made with a Viton or Silicone Energizing Core and have an external DuPont FEP or PFA jacket. Encapsulated O-rings are used in a wide range variety of markets and applications.



Vulc-O-Ring

- ⦿ Vulc-O-Rings (or cable rings) are used in many markets across different applications due to its profile and versatility of materials. It provides a cost-effective sealing solution for end users who want to avoid the expensive tooling costs associated with fully molded O-rings. Our Vulc-O-Rings are within market leading tolerances and joints at 95% strength of a fully molded product. The Rings also have a very low "compression set" due to the high quality of the materials used.

Typical rubber and metal products



Extruded products



Products

Printed products



Seals



Astra Seal is designed to operate in a temperature range from -250°C to $+260^{\circ}\text{C}$. The spiral-wound metal insert is encapsulated within DuPont™ FEP or PFA. They can be made to withstand 1500 psi

Description:

The Astra seal includes both a flat wound band spring made of 302 stainless steel encapsulated in a FEP or PFA coating to form an O-Ring.

Temperature range:

FEP/Astra: da -250°C a $+204^{\circ}\text{C}$ (da -420°F a $+428^{\circ}\text{F}$)

PFA/Astra: da -250°C a $+260^{\circ}\text{C}$ (da -420°F a $+500^{\circ}\text{F}$)

Specifications:

ASTM Tipo 302

AMS 5059



FINCANTIERI



1921



Ignazio Messina & C.

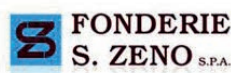


ARLENICO



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AMT Genova



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