



la Meccanica Padana

We manufacture your customers' satisfaction

COMPANY PROFILE





The Company



La Meccanica Padana is a SME located in Northern Italy. Since 1954 it is one of the most experienced manufacturer of mechanical components, mainly for Oil & Gas, Petrochemical and Power Energy Industries and, recently, also for Aerospace Industry.

By taking care of the complete manufacturing process, it is **specialized in the manufacturing of complex parts, forged fittings and strainers**, from the most common material Carbon Steel and Stainless Steel to special materials such as Monel, Nickel Alloys, Titanium, Duplex, Super Duplex and others.

The Company has full capabilities to **manage from very small job to more complex projects** thanks to its organization and Quality System.

By offering a high level of service, both for quality and reliability, the Company gained the **respect and loyalty of major oil companies and contractors worldwide**.



Our Mission:

- To be **Leader in catching market's needs** and opportunities and First Choice supplier for products within our Business Units.
- To **satisfy customers' needs** by supplying high quality products and by pursuing punctuality and competitiveness.
- To **develop human resources' skills** as the essential way to improve profit-making capability.



"BEING A MARKET ORIENTED COMPANY THAT DEVELOPS EXCELLENCE, BOTH IN PRODUCTS AND SERVICES, THROUGH THE CONTINUOUS IMPROVEMENT AND INVESTMENT IN HUMAN CAPITAL, QUALITY AND INNOVATION".



OUR KEY VALUES:

- SAFETY
- GROWTH
- CONTINUITY IN TIME



OUR STRONG POINTS:

- FLEXIBILITY
- ON TIME DELIVERY

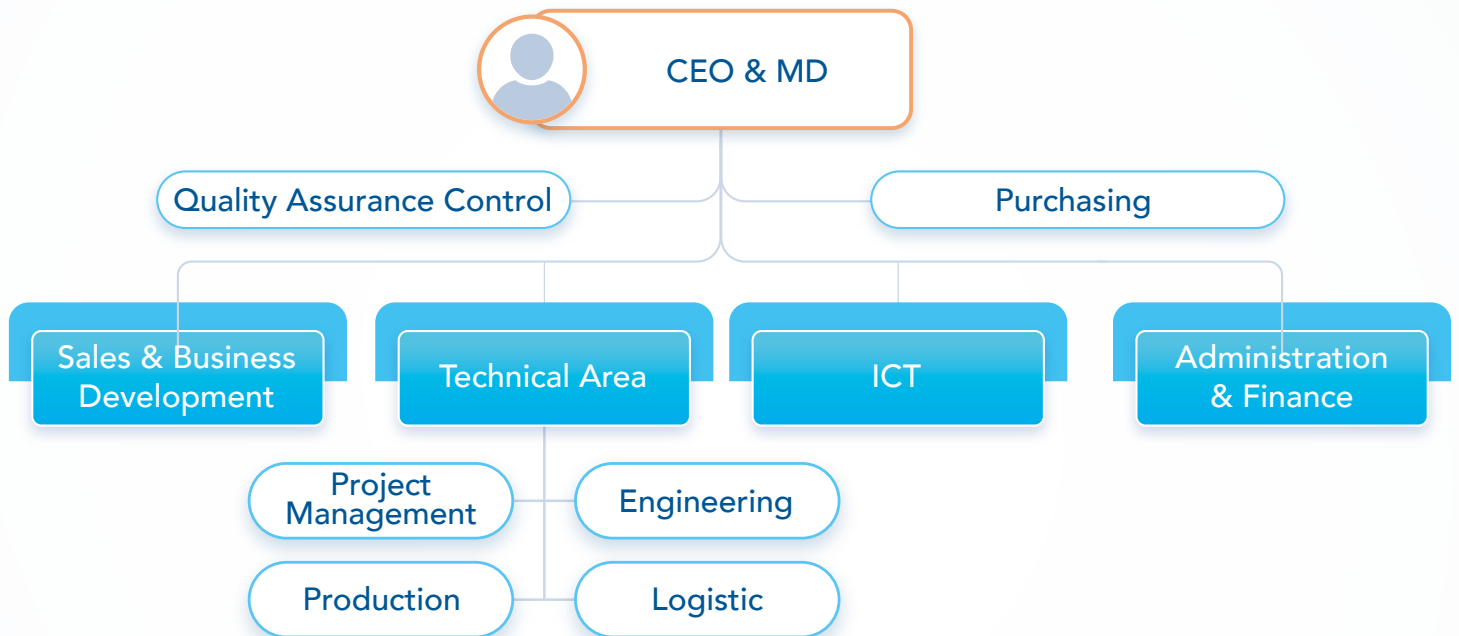
QUALITY FIRST:

- ISO 9001:2015
- PED 97/23/EC
- EN 9100:2018
- Several Customers' Approvals

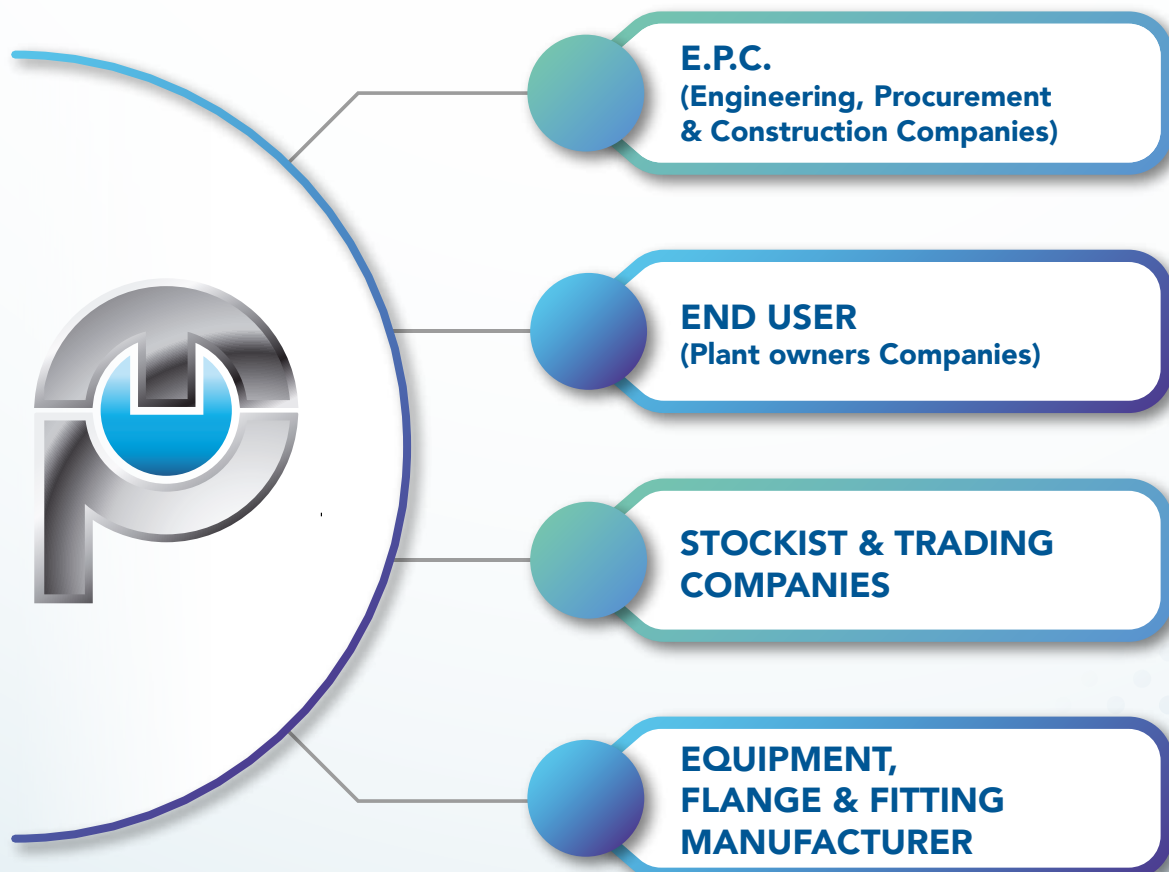


Company Information

ORGANIZATION CHART



CUSTOMERS

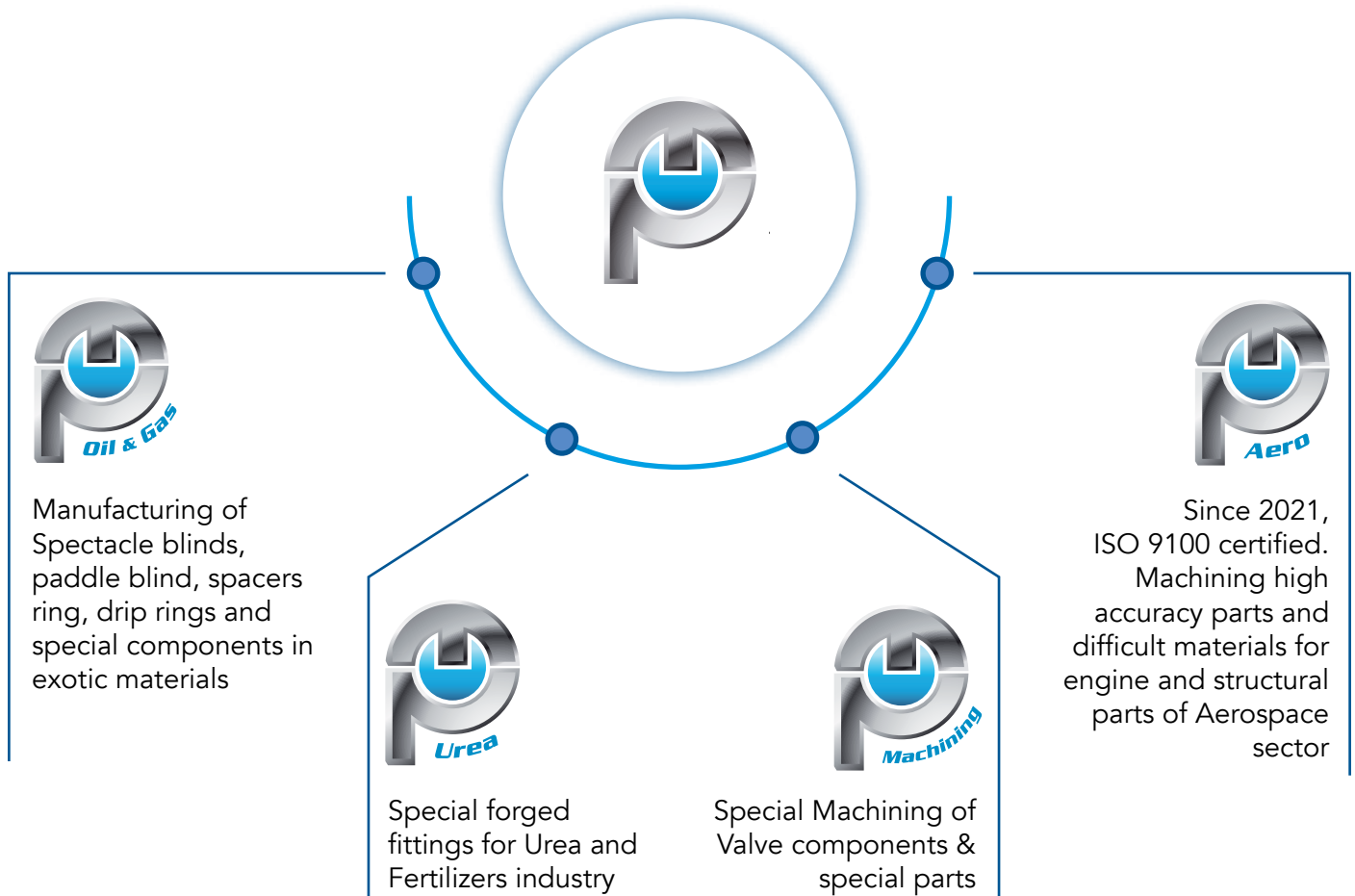


La Meccanica Padana Division



La Meccanica Padana is a manufacturing company specialized in the production of line blanks, parts on drawing, complex assemblies and structural components.

Find below main Division for LMP activities.



La Meccanica Padana Systems

Since 2021 the company is part of La Meccanica Padana Group and can supply Lube oil, Seal Systems, Seal Gas panel, Water Cooler, Strainers, Manifold.



La Meccanica Padana Saudi Industrial

Kingdom of Saudi Arabia Plant
La Meccanica Padana is founding La Meccanica Padana Saudi Industrial in the Kingdom of Saudi Arabia. The company will manufacture components for Oil & Gas and Petrochemical sector.



We manage orders from single piece to projects with thousands items.
We manufacture parts from small size up to 2000mm diameter & 5 tons weight.

All the production is made in-house with the following machines or with special processes

- Turning & 5 axes Mill Turning
- 4 axes Milling
- Sawing
- Welding and Cladding (MIG & TIG PROCESSES)
- Lining Process
- NDT
 - Liquid Penetrant
 - Ultrasonic Test
 - Visual Examination
 - Magnetic Particle
 - Radiographic Examination

"...WE MAKE TESTS AND PROCESSES"



Test Lab for NDT
(PMI, PT, UT, MT)



Marking



Hydraulic Tests



Color Coding



Heat Treatments
(max. 1200°C)



Packing & Delivery



Continuous Improvement



LEAN Manufacturing & SIX SIGMA



Tailor-Made ERP



MES - Industry 4.0
Production Monitoring & Material Traceability



Production Scheduler



Project Management



3D CAD/CAM/FEM

Approvals for Oil & Gas



ADNOC

Agip KCO

Aker Solutions

ARAMCO

(Overseas Company/Saudi Aramco)

CAMERON - SCHLUMBERGER

CRN (ABSA)

Chiyoda Corporation

Daelim

Edison

ENI

Fluor

General Electrics

Hyundai

JGC

KBR

KPO

(Karachaganak Petroleum Operating B.V.)

KNPC

Kvaerner

Marafiq

Marathon Petroleum LP

McDermott

NOC

(North Oil Company)

NPCC

(National Petroleum Constr. Company)

OMV - Indoil

PDIL

Pemex

Petrojet

Petro Rabigh

Petrobras

Petrofac

Petronas

Qafco

Qatar Gas

Qatar Engineering

Qatar Petroleum

Saipem

SK (E&C)

Takreer

Techint

Technip

Tecnicas Reunidas

Tecnimont

Tekfen

Total SA

Zadco

Approvals for Urea and Fertiliser Sector



Fatima Group

Fauji Fertilizer Company Ltd.

Fertil (Ruweis Fertilizer industries)

GNFC

(Gujarat Narmada Valley Fertilizers
& Chemicals Ltd.)

Hitachi Zosen Corporation

Hyundai

IFFCO

(Indian Farmers Fertilizer Cooperative Ltd)

Larsen & Toubro

Matix Fertilizer

Mitsubishi Heavy Industries Ltd.

NFL (National Fertilizer Ltd)

PDIL

Pdvs Services B.V./Bariven

Petronas

Sabic (Saudi Basic Industries Co.)

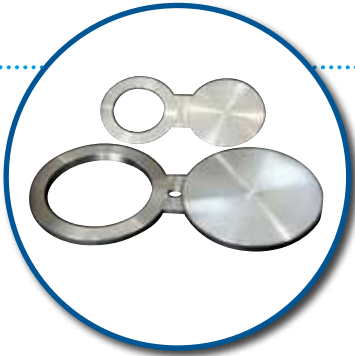
Saipem

Stamicarbon

Toyo Engineering Korea Limited

Casale S.A.

Wuhuan Engineering Co. Ltd



SPECTACLE BLIND

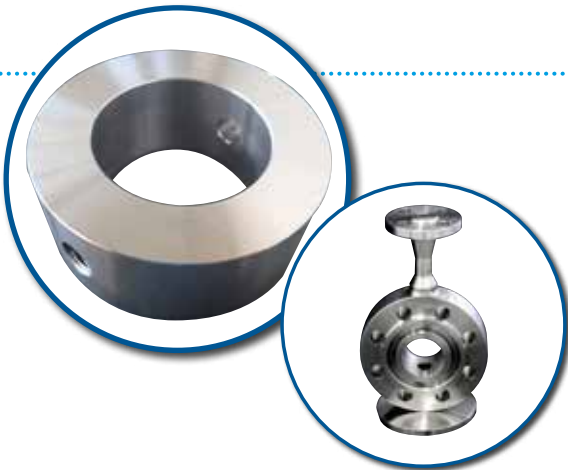
ON STOCK!

Made in every material types in accordance with standard specifications or customers' dwg



SPACER RING & PADDLE BLIND

Made in every material types in accordance with standard specifications or customers' dwg



DRIP RING

Made in every material types in accordance with standard specs or customers' dwg



SPECTACular Blind®

The Spectacle Blind Easy Change System developed by **La Meccanica Padana**

The innovative cost-effective solution for Easy and Quick change of Spectacle Blinds developed by **La Meccanica Padana**.



Main Advantages:

- It is the most competitive solution
- It allows a significant time saving for line opening/closing operations by acting on three bolts only (reducing plant downtime = increasing production of plant)
- It increases the worker safety during changing operations
- Only one worker to perform the opening/closing operations
- Only one tool is needed for working on the system

It does NOT replace standard flanges, it uses ASME or existing flanges bringing significant advantages:

- No changes on international standard configuration and design
- No additional approvals needed
- Two configurations available:
 - Full system including flanges
 - Retrofit kit without flanges to install on existing pipeline without changing current flanges.

Materials:

- FLANGES and SPECTACLE BLIND can be ordered on all common used materials
- GASKETS: the type of gasket can be proposed for specific process and application

Special Products



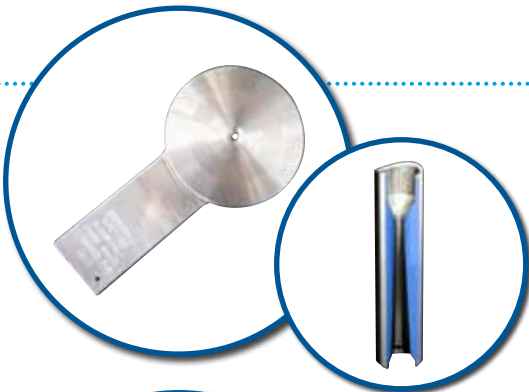
Special Flange

Made in "Exotic" materials only in accordance with standard specs or customers' dwg



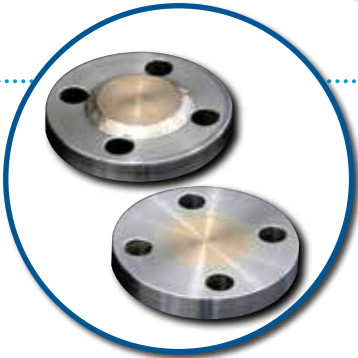
Special Fitting

Made in every material types in accordance customers' dwg



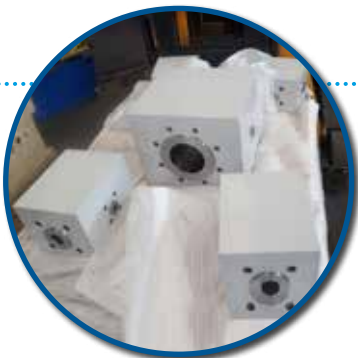
Orifice Plate & Venturi

made in every material types, calculated as per ISO-5167 or on customers' dwg



Cladding & Weld Overlay

MIG or TIG weld overlaying on Flanges, Spectacle blind, Spade, Spacer,



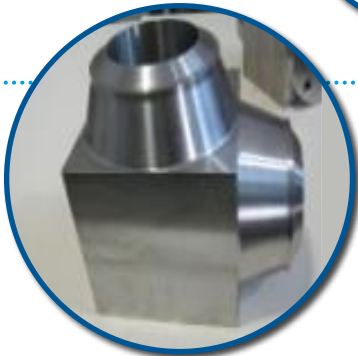
Block branch

made in every material types in accordance with customers' dwg



Anchor Flange & Pad Flange

made in every material types, calculated as per ASME VIII Div.1 App2 or on customers' dwg



Target / Cushion Tee & Elbow

made from forging block in accordance with standard dimensions or on customers' dwg



Injection/Sample Quill & Thermowell

made in every material types on customers' dwg



Lining

Welding CuNi plates on C.S. Flanges



Valve body & component

made in every material types on customers' dwg

Urea forged fittings for Fertilizer Plant



Lens Gaskets

ON STOCK!

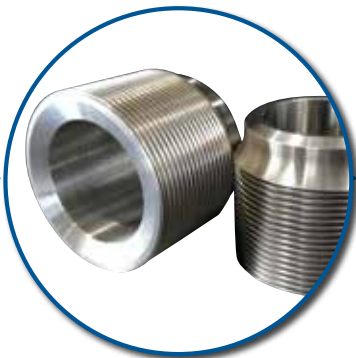
acc. to Saipem TB.HPU.5002, Urea Casale, DIN2696, GWX standards, Stamicarbon



Gaskets (1 or 2 branches)

ON STOCK!

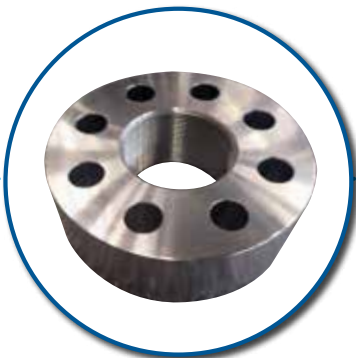
acc. to Saipem TB.HPU.5002, Urea Casale 8577-00-SDP-013, Stamicarbon



Nozzles

ON STOCK!

acc. to Saipem TB.HPU.5002, Urea Casale 8577-00-SDP-009, other specs., Stamicarbon



Threaded Flanges

in ASTM A105; acc. to Saipem TB.HPU.5002, Urea Casale 8577-00-SDP-008, Stamicarbon



Weldolets, Threadolets, Nipolets

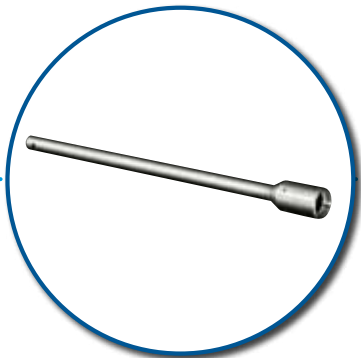
acc. to Saipem TB.HPU.5002, MSS -SP97

Corrosion tests performed by approved laboratories, in accordance with client specification.



Forged Tees (Equal or Reducing)

acc. to ASME B16.9

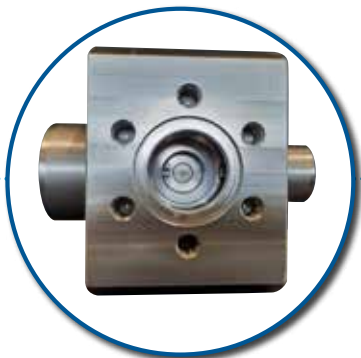


Thermowells

acc. to Saipem TB.HPU.5002, Stamicarbon



Other fittings and flanges as reducers, caps, couplings, WN flanges, SW elbows and tees, bolts and nuts...



Forged Blocs for Valve Bodies

acc. to customer drawings & specifications



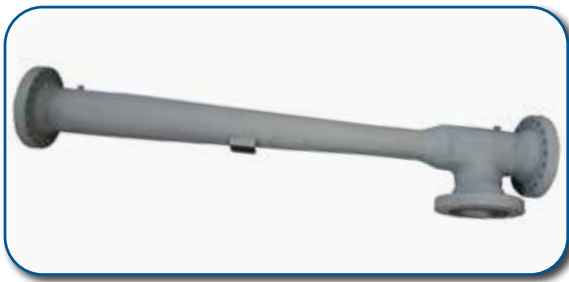
Ferrules

acc. to customer drawings & specifications



CARBAMATE MIXER

Mixer is used for Urea applications to mix two fluids that have different conditions (pressure, temperature, flow rate, state..). The thickness dimensions are verified applying ASME VIII Div.1 App.2 & 5 and ASME B31.3 par. 304.1.



EJECTOR

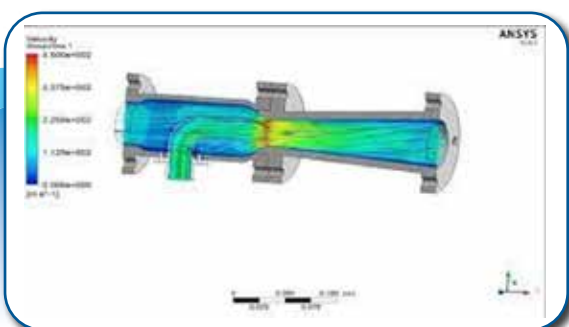
Ejector is used for mixing two fluids that have different conditions (pressure, temperature, flow rate, state..) by Venturi effect, combining the effect of the acceleration of motive fluid in order to suck the secondary flow (suction fluid), mixing them. The thickness dimensions are verified applying ASME VIII Div.1 App. 2&5 and ASME B31.3 par. 304.1.



LINE MIXER

Line mixer is used in various applications for mixing two fluids that have different conditions (pressure, temperature, flow rate, state..). The thickness dimensions are verified applying ASME VIII Div.1 App 2&5 and ASME B31.3 par. 304.1

CFD ANALYSIS

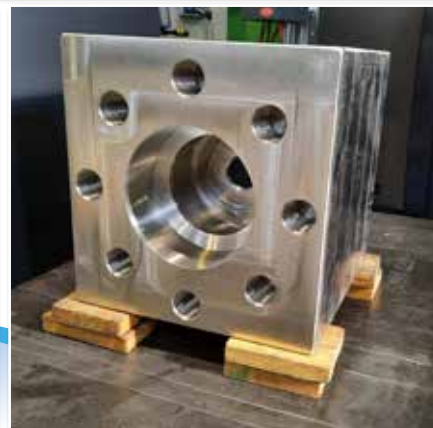
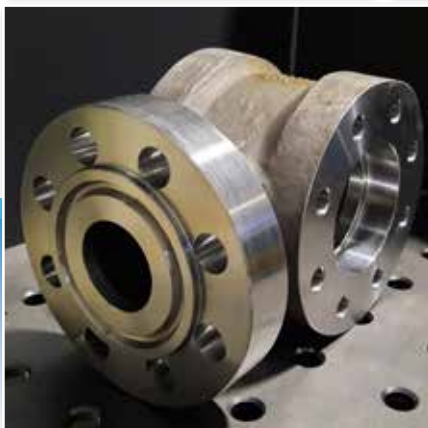


In order to check the deflections of the mechanical components and simulate the performances of the mixer as listed above, a CFD analysis can be done.

Special Machining



La Meccanica Padana can provide special and accurate machining of valves components and special parts and on drawing



STRUCTURAL & ENGINE COMPONENTS

Taking benefit from its long expertise and experience for machining special alloys within high quality level for Oil & Gas parts , since mid-2021 La Meccanica Padana got the EN 9100:2018 certification allowing to serve the Aerospace market which has same high standards requirements.

The company can manufacture Structural and Engine components made in difficult machining material such as Nickel Alloy, Stainless Steel, Super Duplex, Titanium and Aluminum with high accuracy and high surface finish.

See example of components machined in Nickel Alloy material.

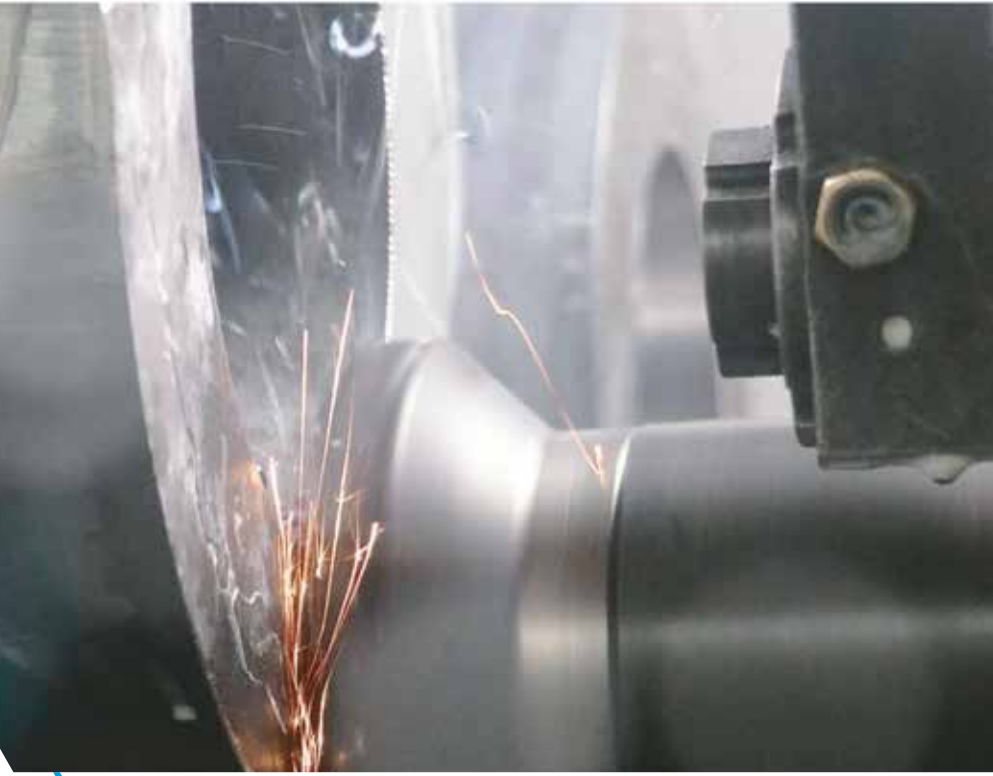


EN 9100 CERTIFIED





Materials



La Meccanica Padana always uses materials coming **from ITALY or Western Europe** by collaborating directly with major steel mills in the area, such as *Outokumpu, Ilseburge, Rautaruukki, Dillinger Hutte, Rubiera, Foroni, Valbruna, Cogne, Sandvik, etc.*

- Carbon steel (A105, A516 Gr. 60/65/70, A350 LF2, A694 F60-65)
- Alloy steel (Gr.1, Gr.5, Gr.9, Gr.91, Gr.11, Gr.22)
- Stainless steel (304, 316, 321, 347)
- Duplex - Super Duplex (F51, F53, F55, F44)
- Urea Grade (316L Mod., F310 MoLN, Safurex)
- Incoloy (800, 800H, 800 HT, 825), Alloy 20
- Hastelloy (C22, C276)
- Cupronickel Cu-Ni
- Monel 400
- Inconel (600, 625)
- Titanium (Gr. 1, 2, 3)
- Aluminium

We Usually Buy:

Forgings



Plate



Bars



La Meccanica Padana Systems

La Meccanica Padana Systems is specialized in the supply of the following products:



Strainers



TEMPORARY STRAINER

It is usually a startup strainer and is installed in a system to remove unwanted debris from the process stream.



Y STRAINER

Normally required at the suction of pumps if permanent installation of a strainer is necessary. They can be installed horizontal with strainer side down for easy draining. They can also be installed in vertical piping with flow going downward.



TEE STRAINERS

It is a custom fabricated compound strainer designed to remove foreign particles from pipeline. Tee Type Strainers are a low cost solution to large nominal bore straining requirements. They can be mounted into vertical or horizontal piping.



BASKET TYPE (or POT TYPE) STRAINER

Characterized by a vertically orientated chamber. Basket type strainers can only be installed in horizontal pipelines. Basket Strainers are also available in a duplex style which consists of two parallel basket strainers and diverting valves. It is designed so no interruption on the process would happen to give way to cleaning of the strainer. It does this by altering the flow of the fluid to a second strainer once it detected the first basket is full.



Manifold

Steam / Condensate Application



API 682 SEAL SYSTEMS

Plan52, Plan53A, Plan53B, Plan53C, Plan54,
Plan72-74-76, Plan 75-65



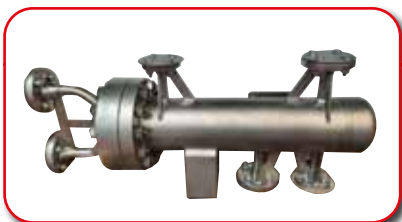
LUBE OIL SYSTEMS API 614

5°Ed. Chap. 3 / Chap.2
To continuously provide cool and clean oil to the bearings
and gear at proper pressure, temperature and flow rate.



PIPING SPOOLS

Based on Customers' drawing



API 682 WATER or AIR COOLERS

Manufactured in Stainless Steel & Exotic materials



SEAL GAS SYSTEMS API 614

Chap. 4
For flushing of mechanical gas seals



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Via Riscassi 1/A
29010 San Nicolò di Rottofreno Piacenza (Italy)
Tel: +39 0523 762020
Fax: + 39 0523 762016
www.meccanicapadana.com
meccanica@meccanicapadana.com