

stock **ideas**
metal seated
innovation
testing lip seal
api6D
PLUG
FIRE SAFE
testing TOP ENTRY
double expanding
actuated
energy
bronze
ideas
testing
machining
ATEX PED
double block and bleed
low temperature test
special alloys
cryogenic
fully welded
experience
process ISO9001
FAST TRACK
floating
customized
Eac Sil





2007

Date of
Foundation

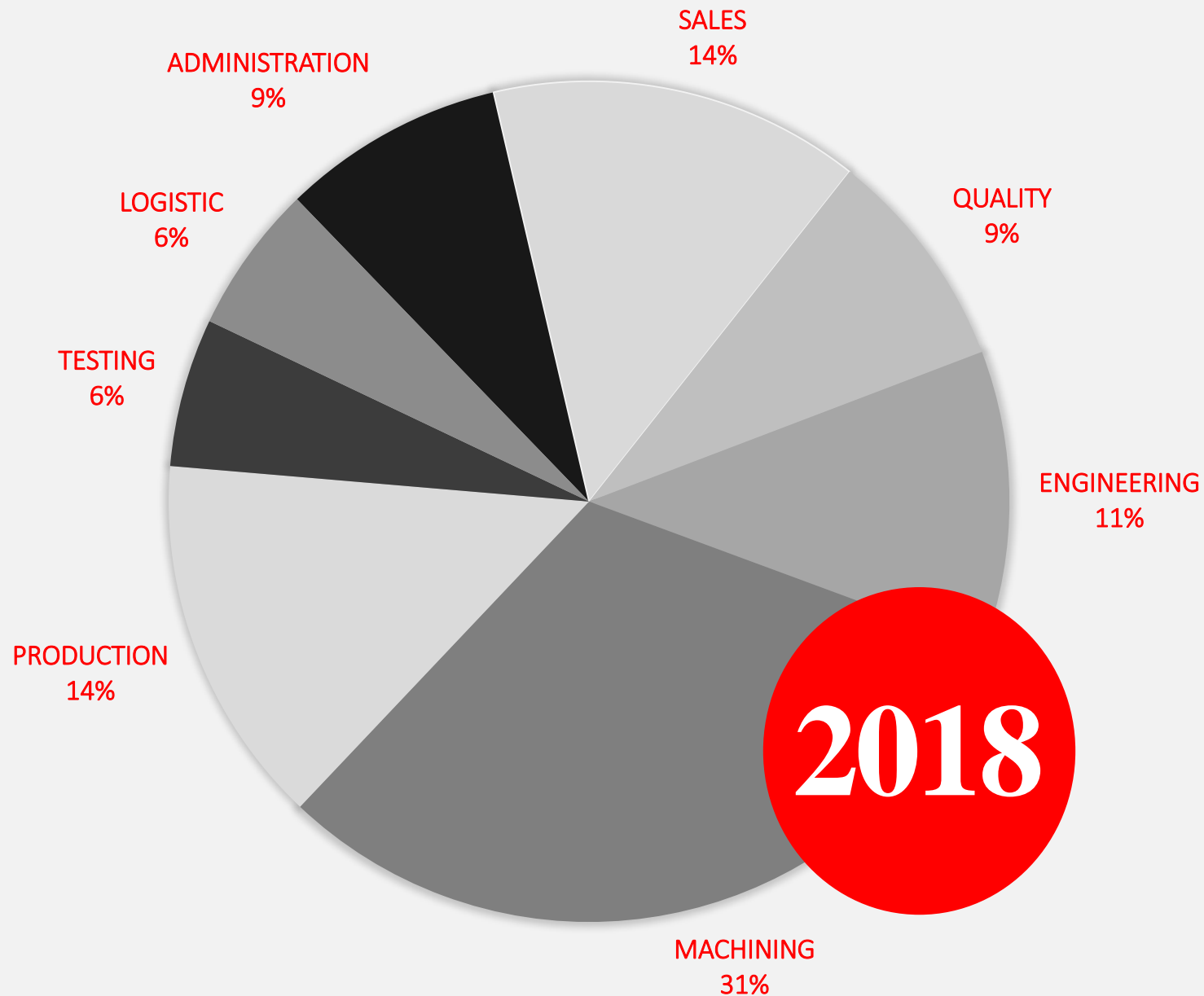
Introduction

Energy Valves, with headquarter on the **Lake of Como** closed to Milan - Italy, was founded in **2007** by Engineers with over 30 years experience in valve manufacturing companies.

Energy Valves mission is to **design**, manufacture, test and certify valves based on client needs and in accordance with the most stringent International Standards and Customer Specifications.

Energy Valves's internal organization is structured in order to achieve very **short lead time** ensuring the highest quality levels.

Energy Valves products are used in major applications for upstream, downstream & transportation segments of the **Oil & Gas** Industry, E&P, Petrolchemical, Chemical, Mining/Minerals, Power, Marine and Industrial markets.



Company Details

35 Employees

2500 square meters for production

500 square meters offices

6 Ton lifting capacity

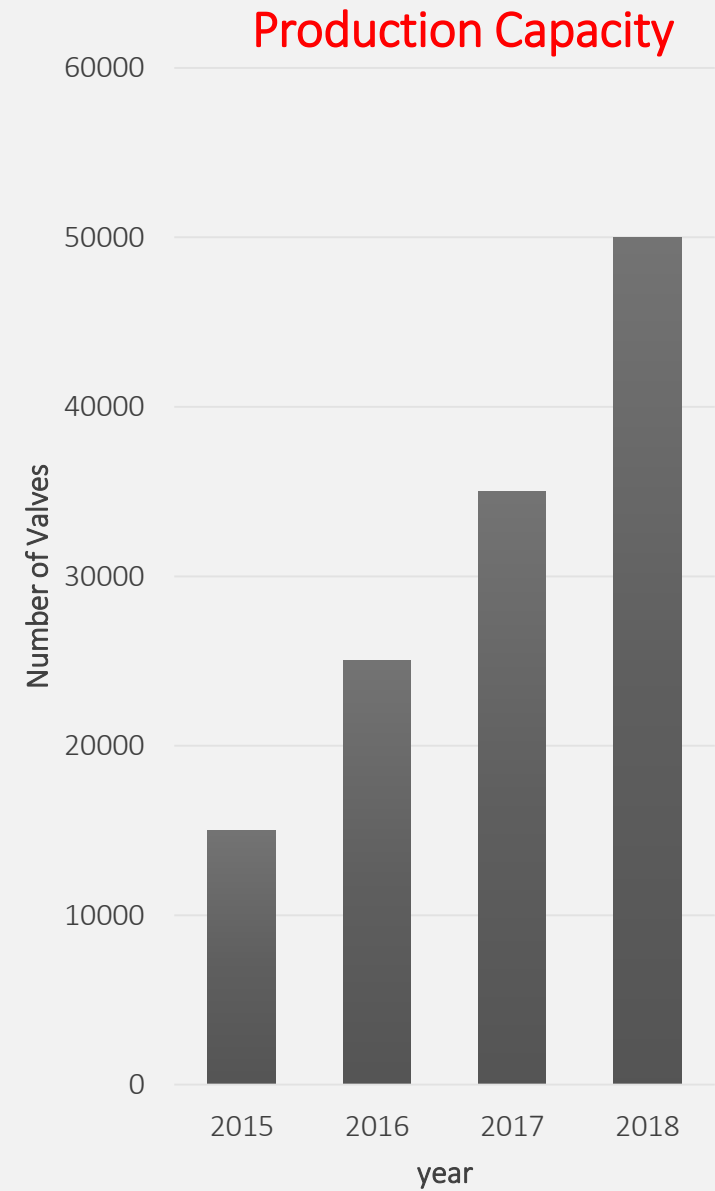
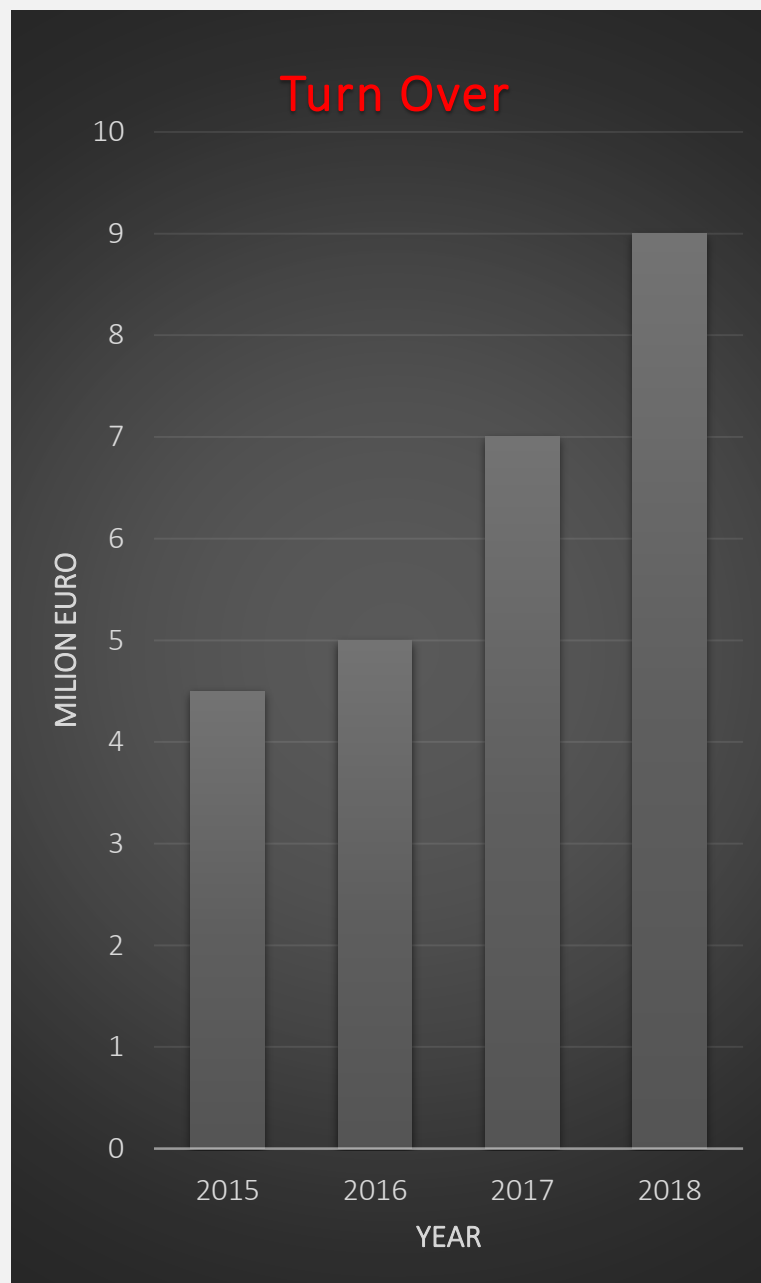
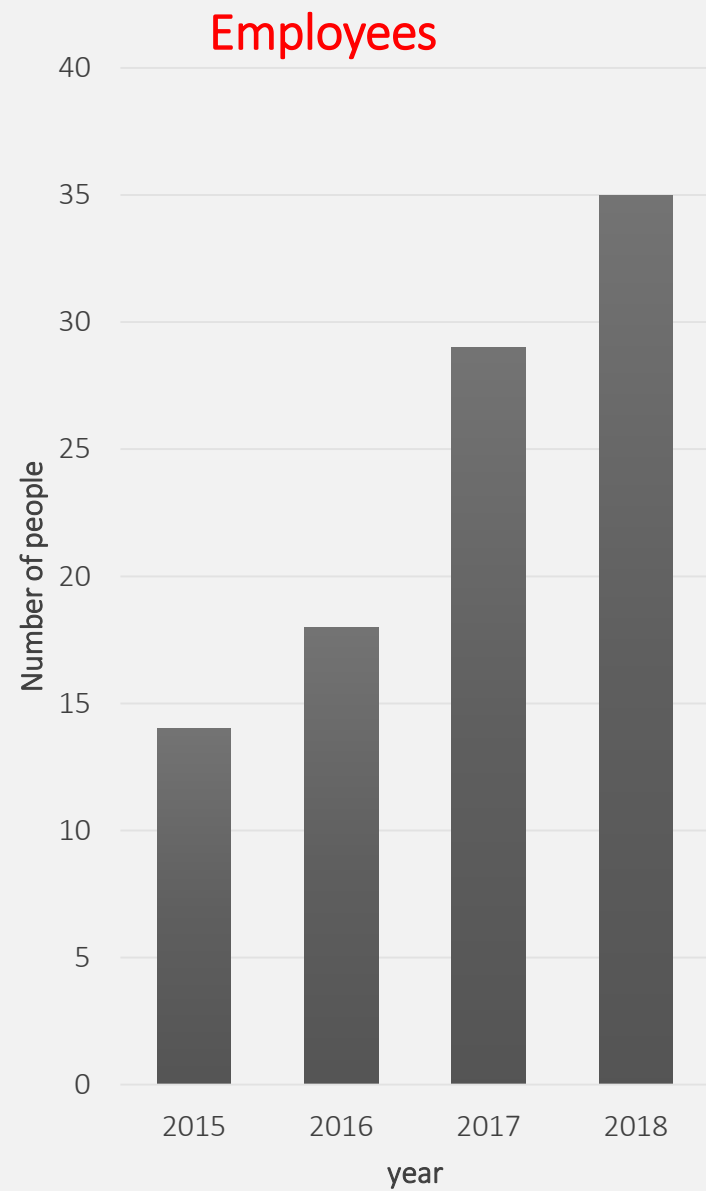
50000 Valves per year capacity

Wild production Range



Process off Growth

ENERGY VALVES SRL since the date of his foundation in 2007, have always been growing in every aspect





Performance

Product Range

Capacity

Turn Over

Number of Customers

Approval

Employees

Certification



Main Customers
and Partners



Company Certifications:

ISO 9001:2015

IEC 61508-SIL3 for the complete product range

API 6D 24th edition

PED 2014/68/UE Cat.3 – Module H

ATEX 2014/34/UE

Low Fugitive emission to ISO 15848-1

Fire Safe to API 6FA:1999, API 607:2010, ISO-10497:2010

EAC



Production Range

Floating ball valves

Trunnion ball valves

Lubricated Plug valves

Dual Expanding Plug valves

DBB and SBB ball valves

Valves for High Temperature, Abrasive and
Cryo Service

Customized Executions

Actuated Valves

1/2" to 24"

Floating Ball Valves:

CONSTRUCTION

Boted, Screwed, Wafer, Welded, Top Entry

SIZES

From ½" up tp 10"

PRESSURE CLASSES

Ansi class 150 – 2500 Lbs

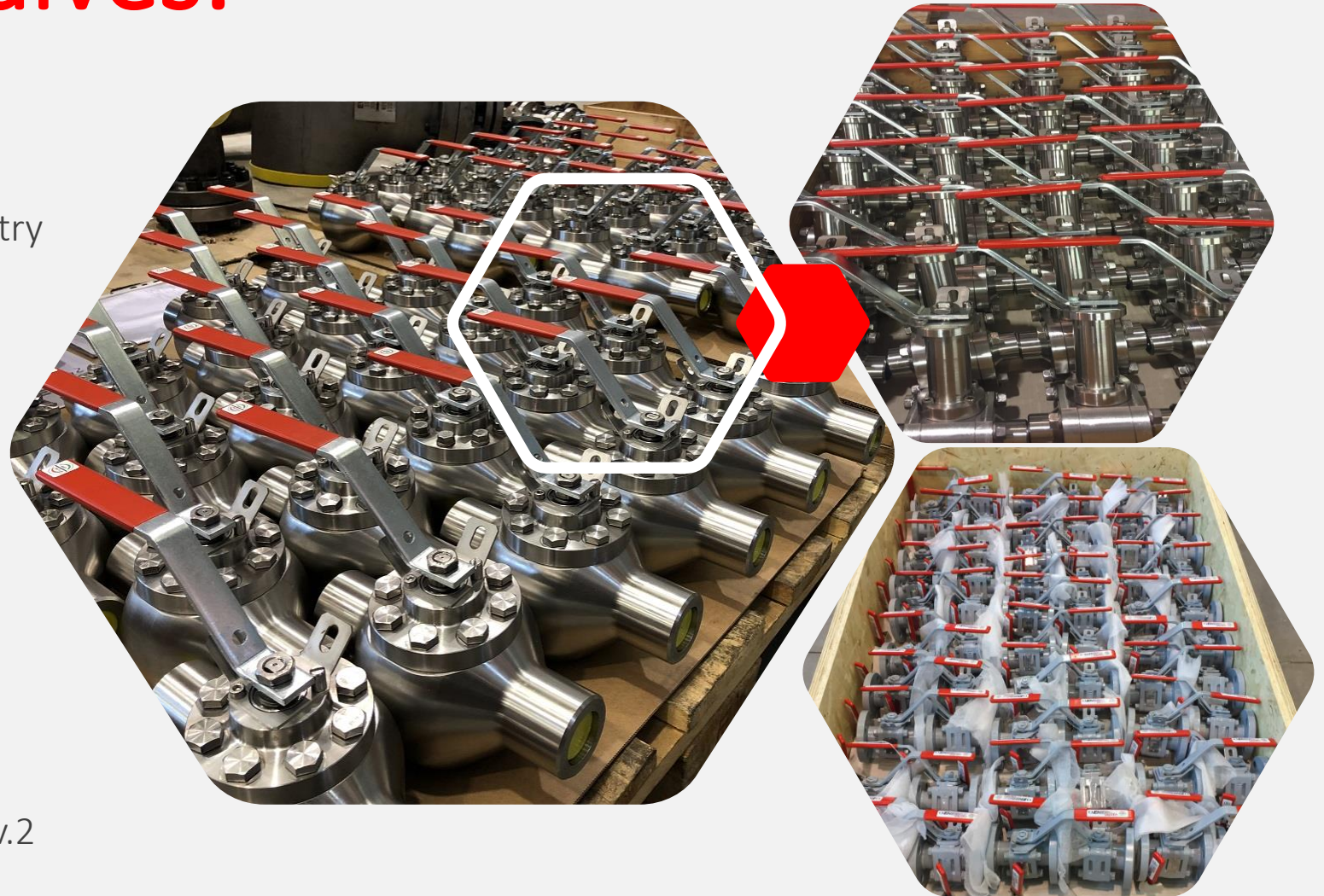
DIN class PN10 to PN420

CONNECTIONS

Flanged, Screwed, Welded, Hub

DESIGN

B16.34, API6D; ISO 17292, ASME VIII div.2



Trunnion Ball Valves:

CONSTRUCTION

Boted, Screwed, Wafer, Welded, Top Entry

SIZES

From ½" up tp 24"

PRESSURE CLASSES

Ansi class 150 – 4500 Lbs

DIN class PN10 to PN420

CONNECTIONS

Flanged, Screwed, Welded, Hub

DESIGN

B16.34, API6D; ISO 17292, ASME VIII div.2



Lubricated Plug Valves:

CONSTRUCTION

Boted, Screwed, Wafer, Welded, Top Entry

SIZES

From ½" up tp 24"

PRESSURE CLASSES

Ansi class 150 – 4500 Lbs

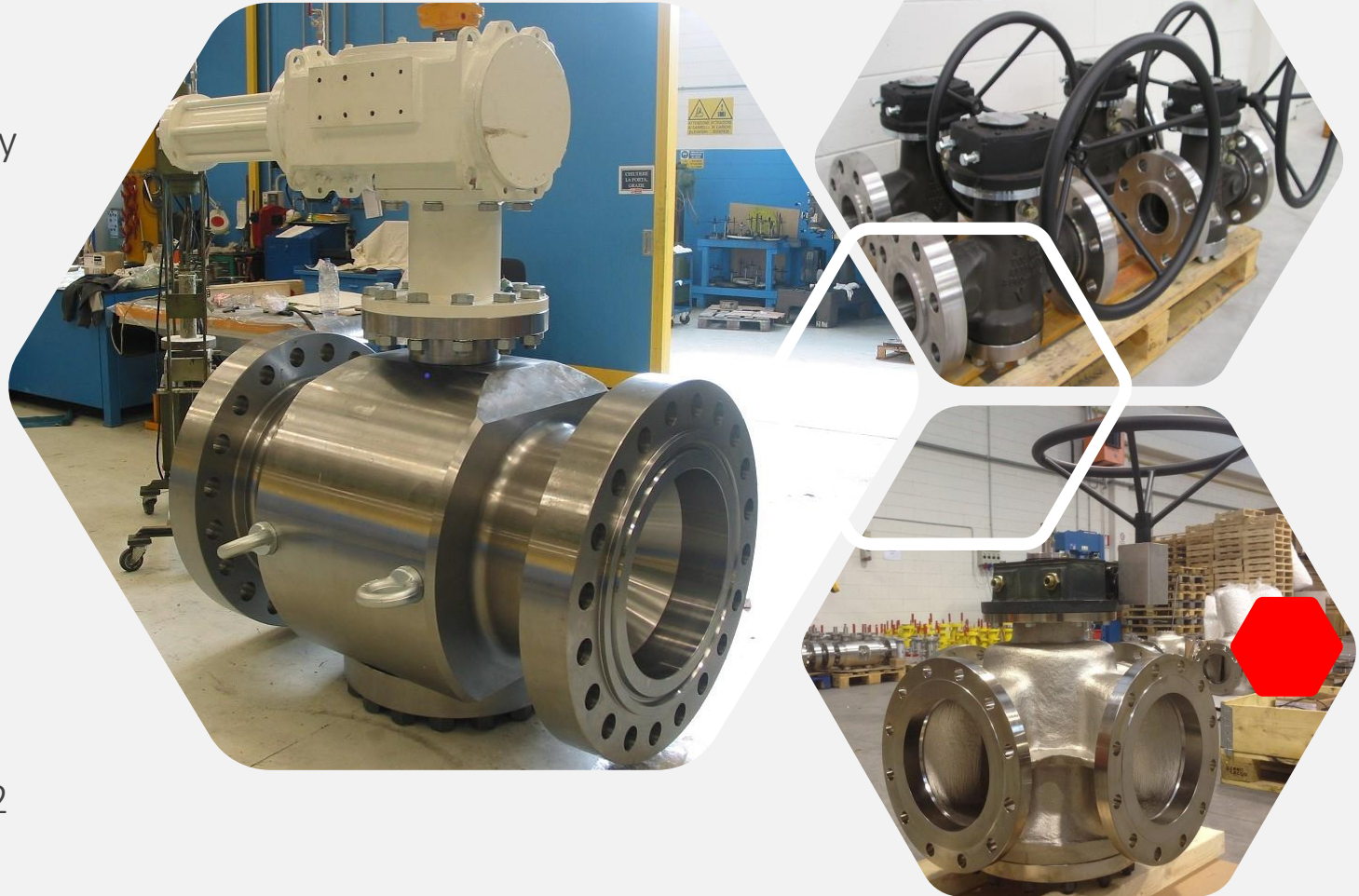
DIN class PN10 to PN420

CONNECTIONS

Flanged, Screwed, Welded, Hub

DESIGN

B16.34, API6D; ISO 17292, ASME VIII div.2





Relevant Products

Double Expanding Plug Valves

Double block&bleed valves

Metal seated valves

Cryogenic valves



Double expanding plug valves

Energy Valves Dual Expanding plug valve has been developed to provide a compact solution for applications where positive shut-off, verifiable zero leakage and **double block and bleed** (DB&B) and or double isolation and bleed (DIB) capabilities are required. Unlike other valve types, the Energy Valves Dual Expanding plug valve guarantee **bubble tight seal** without causing any abrasion or wear on the slips seals due to its mechanism of retract/expand the slips from/to the body before starting with rotation. This solution provide “**Zero-leakage**” upstream and downstream, secure a **long life-time** of valves and seals as well as a low opening and closing torque.

This unique design is combined with a bleed function to prevent pressure buildup in the body cavity. Several types of bleed system have been developed and can also be customized based on client needs.

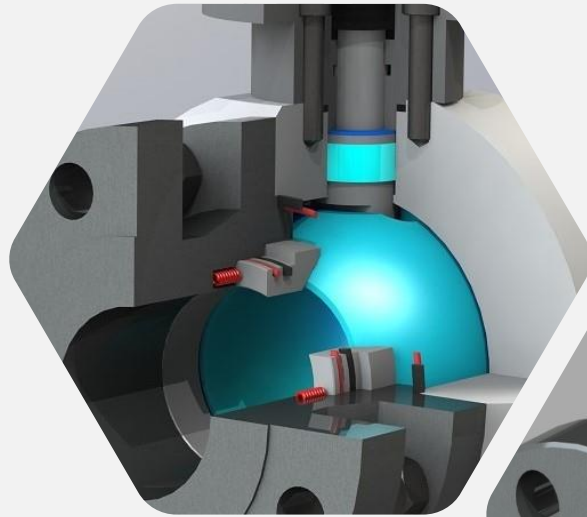


NEW

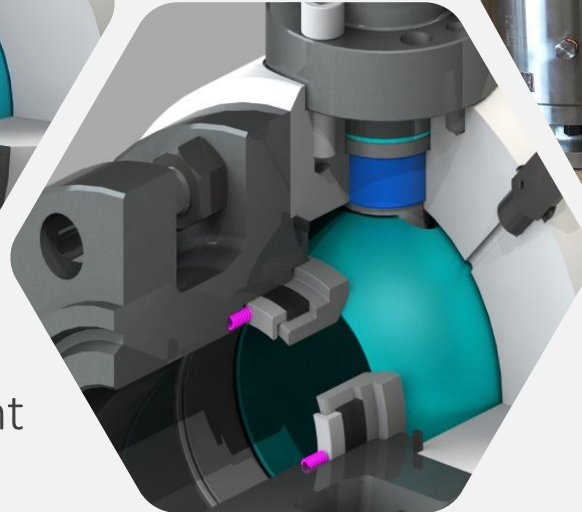


Metal to Metal Ball Valves

Valves designed for **abrasive service** or for operation in very **high temperatures** that prohibit the use of a resilient material have seating action provided by the metal-to-metal contact between the ball and seat rings. Seating faces can be hardfaced with **Tungsten** or **Chromium Carbides** or with **Stellite**.

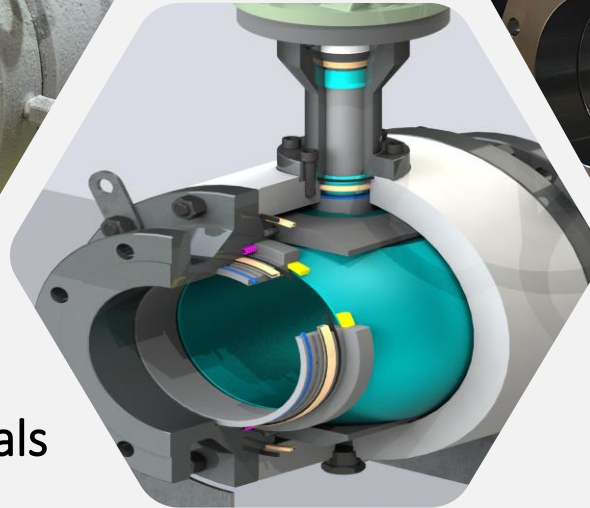


The hardfaced sealing faces are subjected to lapping in order to achieve the most stringent tightness classes even in **Gas Test**.

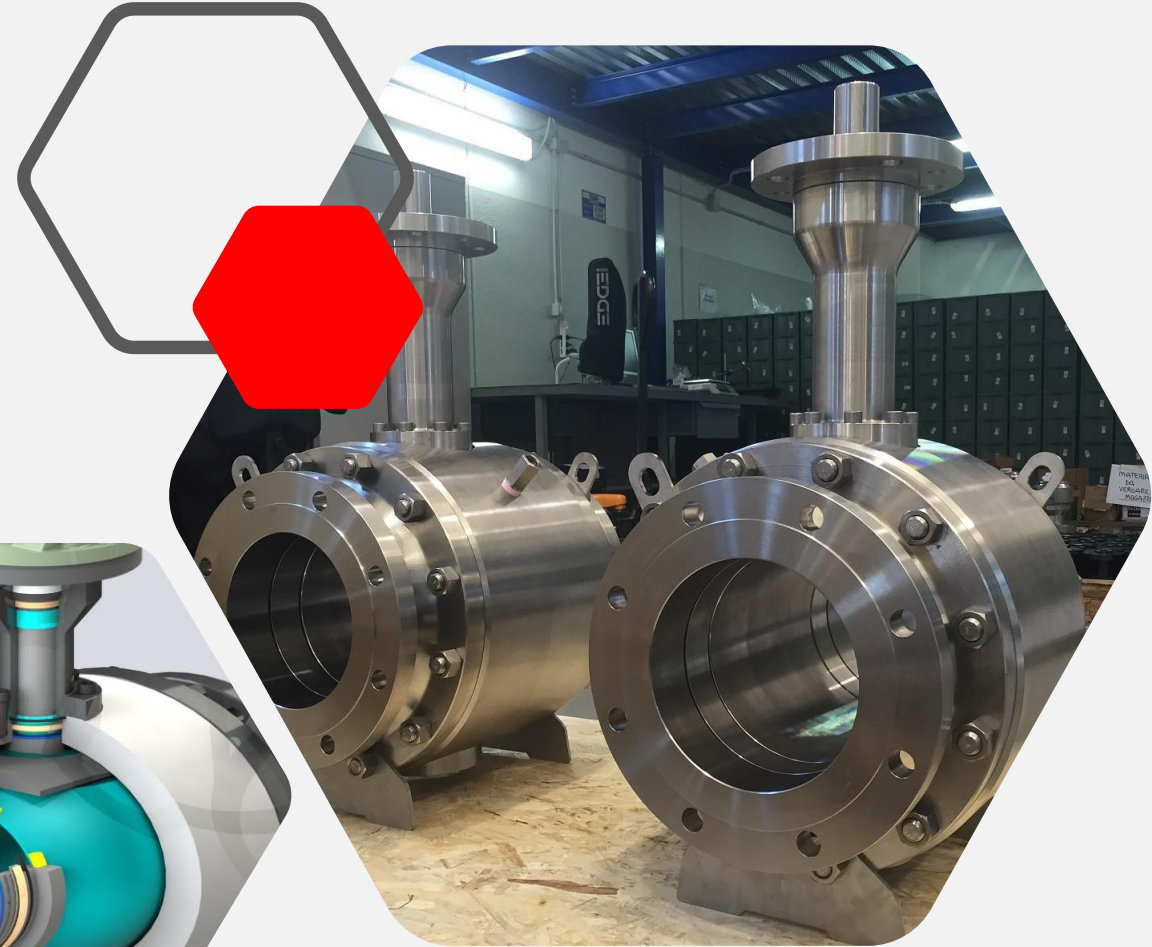


Cryogenic Ball Valves

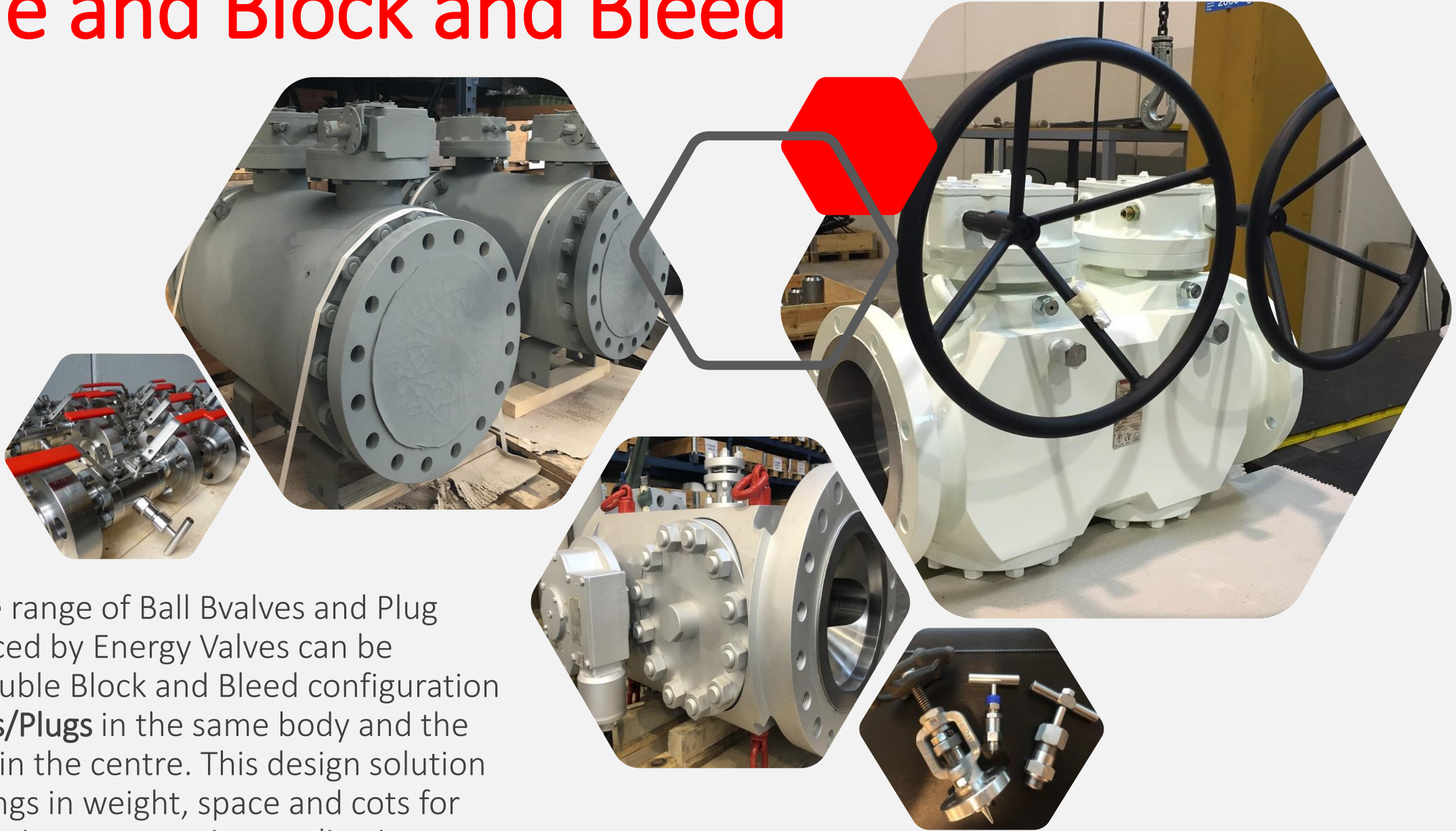
Valves for extreme **low temperature** service are designed with extended bonnet having sufficient gas column length to keep the stem seal packing exposed only to vapour and not the cold liquid. The **extended bonnet** length can comply to **BS 6364**, MESC or other customer requirements.



Where o-rings are not suitable for service condition, valves can be provided with **lip seals** on both static and dynamic sealing areas



Double and Block and Bleed



The complete range of Ball Bvalves and Plug Valves produced by Energy Valves can be realized in Bouble Block and Bleed configuration with **two Balls/Plugs** in the same body and the **Needle** Valve in the centre. This design solution provides savings in weight, space and cots for any process or instrumentation application.



Testing Equipments

Vertical three heads test bench 60TON
700 BAR

Vertical test bench 50TON 700 BAR

Horizontal test bench 400TON 1000 BAR

HIGH PRESSURE GAS WITH BOOSTER:
Separate high pressure gas station with
booster up to 700 bar suitable for all test
units

CRYOGENIC TANK and various equipment
for test at 196°C with liquid Nitrogen

Testing Equipments



In house we can perform Hydraulic tests, Pneumatic tests, High Pressure Gas tests, Low Temperature tests, Fugitive Emission tests, Torque Tests, Cavity Relief tests, DPE tests.

In addition we can perform the following non destructive tests: PMI, MPI and DPT. Other tests can be performed using independent laboratories.

Independent Machining Shop



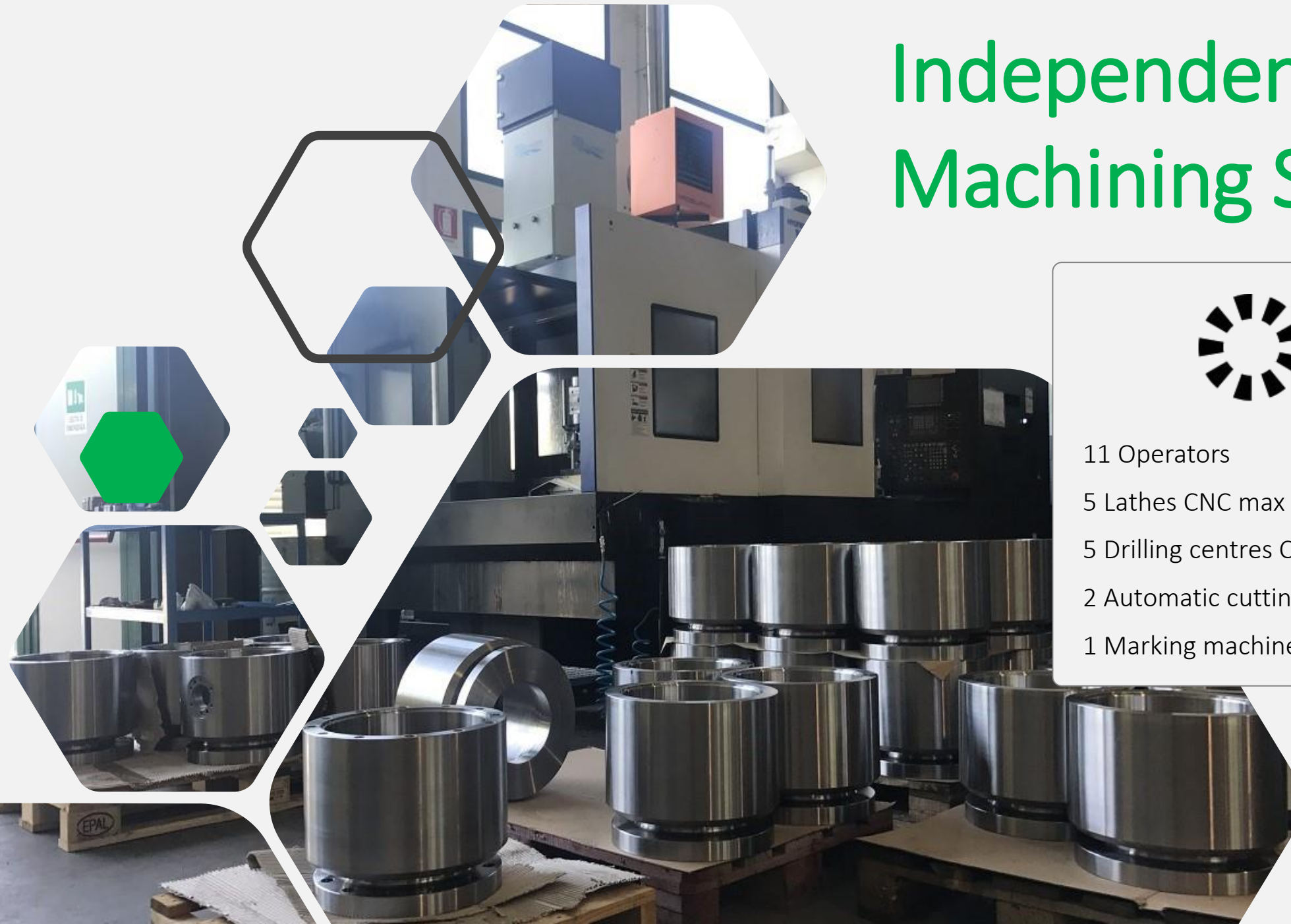
11 Operators

5 Lathes CNC max capacity Diam. 1200 mm

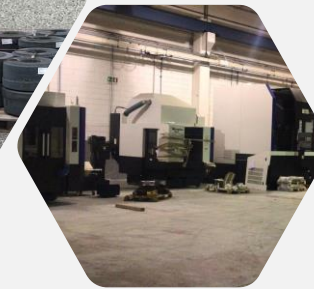
5 Drilling centres CNC max capacity 1000 Kg

2 Automatic cutting machines

1 Marking machine



Independent Machining Shop



Founded in 2016, RB is a machining shop specialized for the manufacturing of components for chemical and petrochemical industries and, in particular for Oil & Gas valves. RB products quality is guaranteed by standard performed processes and strict controls alongside the machine tools. RB is equipped with calibrated mechanical micrometers, digital gauges, digital altimeters, roughness meters.

Realizations



RB skilled and expert employees can handle and use a very wide range of raw materials (from forging, bar, Oxy-fuel welding and casting): CS, SS (AISI303, 304, 316, 321, F51, F53), Aluminium, Bronze, Brass, Titanium and so on