

Meca-inox



Ball valves French manufacturer since 1955



Meca-Inox company was **created in 1955** producing mechanical parts in stainless steel.

In 1966, its creator invented and patented the first ball valve with loose body flanges. One year later, Meca-Inox launched its first ball valve with loose flange.

Today Meca-Inox Europe has its head office in **Cergy (closed to Paris)** and its **factory in Gisors**, Normandy.



High performance ball valve designer and manufacturer

Thanks to its design and regulatory expertise, its manufacturing know-how, Meca-Inox proposes valves that meet the requirements of the most demanding markets : chemistry, food industry, pharma & biotech, also industrial gases, LNG, nuclear ... and now hydrogen.

Meca-inox valves are recognized for their **reliability, durability and performance.**

A reference for international projects

Leader in France and reference in Europe on its markets, the company is **present in more than 35 countries** through a network of more than a hundred distributors.

Thanks to the capacity and adaptability of its industrial factory in Gisors (France), which can produce up to 20,000 valves per month, Meca-Inox adapts to all the requests of these customers : from a few valves for industrial equipment, to more than 10,000 valves for the construction of a new gigafactory, and also maintenance parts for installed valves, etc.



3,000,000 valves installed in 150 countries

150,000 valves produced per year

100 official dealers with stocks

Meca-inox Group

Meca-Inox Europe is a part of the "Meca-Inox group since 1955". A group owned by its CEO Hugues Beurel with subsidiaries in Morocco since 1983 and in China with an industrial site since 2007.



Knowledge and transmission

Training and capitalization of knowledge are essential pillars of the sustainability and excellence of the group.



Corporate social responsibility

Social and environmental impact is taken into account in all our decisions.



Cultural and sports sponsorship

supporting local actions and long-term commitment with partners who share our values.

"Today Meca-Inox group ambition is **to become an international reference in providing innovative ball valve solutions and services** by meeting local requirements in all regions of the world."

An industrial and manufacturing know-how

The company strategy is based on a strong culture of know-how with the willingness to guarantee safety of people, facilities and environment.

Manufacturing in France and providing **proximity, availability** for its customers is a **choice** of Meca-inox.

A unique, efficient and flexible industrial tool

In 2015, **Meca-Inox doubled its industrial capacity in Europe** by building its new factory of 5,200 m² in Gisors, France.

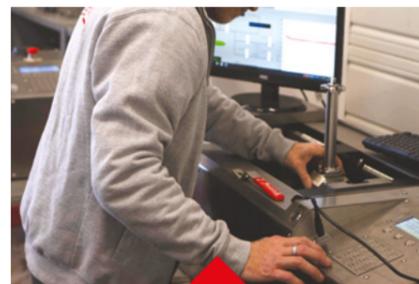
With a machining hall of 1,000 m², an assembly and test workshop of 1,500 m² and more than 2,000 m² of storage, Meca-Inox has an optimal industrial tool closed to its markets.



Constant investment in machines



Production capacity : 250 000 valves/year



Test P10 P11 P12 according to DESP

In order to maintain the high level of industrial and environmental requirements expected by our customers, we are constantly investing in our production tool :

- + Degreasing and water cleaning machine.
- + Automatic test benches
- + Multi-axis numerical control machines
- + Production management software (ERP)
- + Q/R code traceability
- + Laser marking
- + Cryogenic test benches
- + etc.



For a remote visit of our factory, contact us

Total control from valve design to shipping

Meca Inox has been ISO9001 certified for nearly 30 years by TUV Rheinland. The quality control applied at all stages of the process guarantees the reliability, durability and traceability of the brand's valves.



FULL PRODUCT TRACEABILITY



RESEARCH & DEVELOPMENT
3% of turnover invested in R&D.



PURCHASING
Reliable and long term partners.



MACHINING
High performance machines.



ASSEMBLING
Handmade precision.



QUALITY CONTROL
100% of body valves are tested P10 + sealing P11 P12 tests.



STORAGE
More than 50,000 valves components in permanent stock.



SHIPPING
To 150 countries.



RECYCLING
40 tons of stainless steel shavings are recycled per year.



More than 110 women and men experts of their trade



Valves for **demanding markets**

Dedicated to demanding process, our valves meet customer requirements : pressure, temperature, hazardous fluids, corrosion.



Chemistry

Plastic synthesis, fertiliser production, painting chemistry, strong acids (HNO₃, H₂SO₄...).



Food Industry

Sugar, oil, brewery, sodas, chocolate, flavours.



Industrial gaz

Production, transport, storage and distribution of cryogenic fluids (CO₂, N₂, H₂).



Pharma & BioTech

API, clean steam, freeze dryer, CIP.



Meca-Inox teams are also renowned for their constant regulatory watch and expertise.



LNG & Hydrogen

Stationary tanks, tank trailers, Iso containers, fuel station.



Industrial Applications

Painting lines, industrial refrigeration, water desalination.



Energy

Cooling circuits, heating generation, heating circuits.



They **trust us**

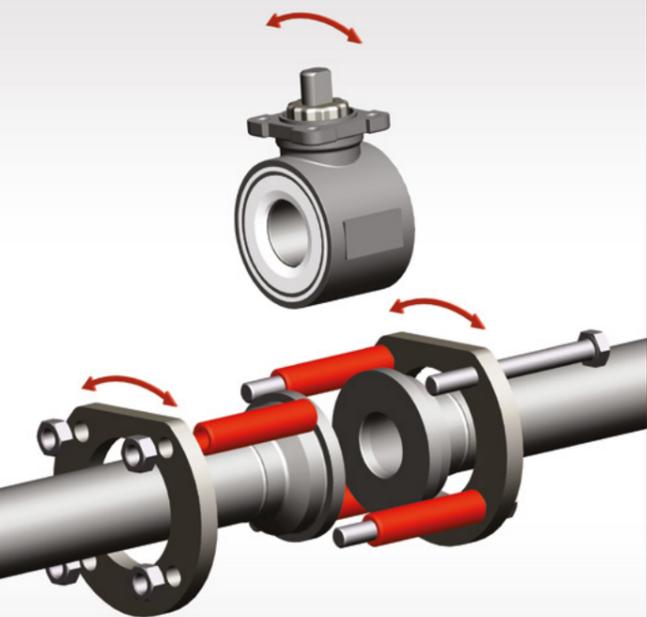
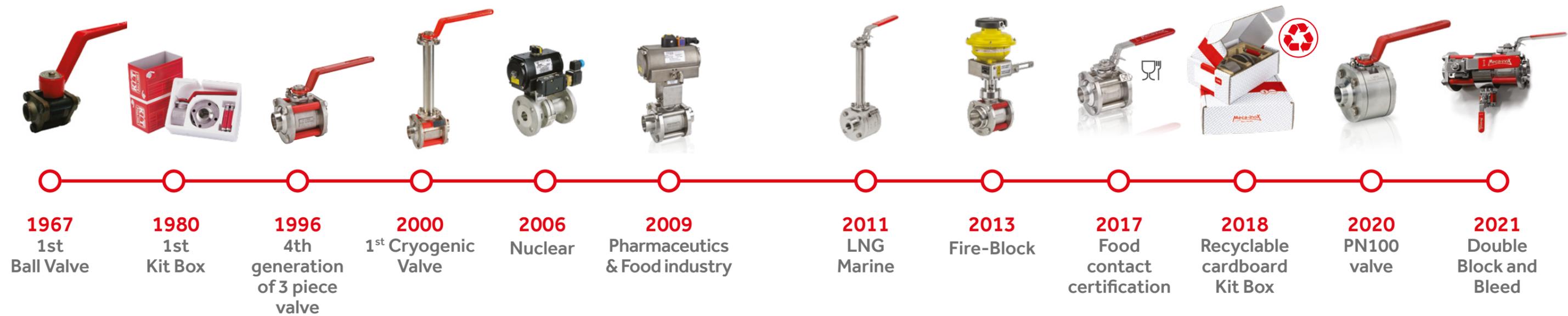
Meca-Inox has developed partnership relations with its long-standing customers on each of these markets.

Understanding, analyzing the needs of our customers - whether they are industrial companies, engineering or design offices, equipment manufacturers, installers, etc. - and our proximity are at the heart of the Meca-Inox service.

Air liquide | Akzo-Nobel | Arkema | BASF | Bayer | Boehringer | Boc
Cargill | Chart Ferox | Cristal Union | Cryostar | Danone | DRT | Firmenich
Gea | Givaudan | GSK | Henkel | Linde | L'Oréal | Mane | Mars | Merck
Messer | Nestlé | Novartis | Oril | PPG | Procter & Gamble | Roquette
Sanofi | Solvay | Tetra Pak | TEVA | Toray | Yara ...

High-performance Ball Valve

Meca-Inox product ranges are **constantly developed** to meet the most demanding customers and markets requirements.



The meca-inox 3 piece ball valve

360° LOOSE BODY FLANGE
30 % TIME SAVED
ON INSTALLATION



MODULARITY

4,000 possible combinations with customer connections and actuation options : Manual / Electric / Pneumatic.



PERFORMANCE

En 12266 -1 class A tightness after 2,500 actuations.



RELIABILITY

Mechanical parts designed for 1 million cycles (from 0 bar to PN max)
 Fully traceable material and components.



DURABILITY

Maintenance spare parts available during 20 years.



Standard valves ranges

3 YEAR WARRANTY



3 Piece valves

DN08 → DN200 | PN16 → PN100



-50°C → +280°C

Ranges	Seats	Temperature range @ dp 1bar	Fluids
PS4	PTFE 2 nd generation	-50°C TO +190°C	acids, bases, solvents, alcohol, gas ...
PZ4	PTFE 20% PEEK	-30°C TO +280°C	steam, oil, warm chemical products, bitumen...
PP4	PEEK	-30°C TO +280°C	concentrated acids, oil cracking...
PN4	TFM1600 [®] PTFE	-50°C TO +190°C	all foodstuffs components, white steam, pure water ...
PH4	TIVAR 1000 [®] PEHD	-80°C TO +100°C	water and gas under radiant, atmosphere, medical oxygen...
PS4 PG (DRILLED BALL)	PTFE 2 nd generation	-50°C TO +190°C	liquid CO ₂ ...
PY4 (DRILLED BALL)	TF3215 [®] PTFE + CARBON	-50°C TO +200°C (-196°C GAS)	liquid CO ₂ , cold gas <-50°C ...

3 YEAR WARRANTY



Cryogenic valves

DN08 → DN125 | PN15 → PN100



-196°C → +200°C

Ranges	Seats	Characteristics	Fluids
PY4 I CY (drilled ball)	TF3215 [®] PTFE + CARBON	Functional EN 1626	liquid nitrogen, oxygen, argon, helium...
PY4 I CY SF (drilled ball)	TF3215 [®] PTFE + CARBON	EN 12567 & ISO 10497 certified	LNG

3 YEAR WARRANTY



2 Piece valves

DN15 → DN200 | PN16 → PN40



-50°C → +280°C

Ranges	Seats	Temperature range @ dp 1bar	Fluids
R2Z	PTFE 20% PEEK	-30°C TO +280°C	steam, oil, warm chemical products, bitumen...
R2H fire safe	PTFE 2 nd generation	-50°C TO +210°C	flammable gases & liquids

Short or long DIN pattern

Valves for specific applications



MT4

PN100 up to DN50



Multi-ways

In L, T or X to mix or switch fluids



Regulation

V-ball, 30° et 60° for temperature control, flow adjustment



Double Block and Bleed

Double isolation for safety during maintenance



Steam jacket

To maintain fluid temperature (eg. chocolate)



Tank bottom

Low retention zone body CIP



Flush mounting

For food and pharma lines, sugar, painting



Fire-Block

To guarantee automatic shut-off in emergency



Change-over valve

For industrial gas, LNG



Corrosion

304L 316L 904L Alloy C22, Duplex, Super Duplex

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A BRAND OF GROUP

Meca-inox
SINCE 1955



BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE