
**Tanks and vessels
technologies expert**





Our expertise: stainless steel process mixing vessels and storage tanks



BOCCARD, THE LEADING SPECIALIST **IN THE MANUFACTURING OF STORAGE AND PROCESS VESSELS**

- Pharmaceutical vessels: bioreactors, fermenters, reactors, mobile vessels.
- Reactors for pharmaceutical, cosmetics and chemical industries.
- PED (pressure devices) compliant tanks and vessels.
- Mixers, melters and thawing vessels.
- Ultra clean and sterile tanks.
- Fermenters and maturing tanks.
- Crystallizers and cookers.
- Beverage tanks.
- Self-emptying compartmented tanks.
- CIP (Cleaning in Place) tanks.
- Agitators & homogenizers.



BOCCARD, AN INTERNATIONAL PLAYER **IN HIGH CAPACITY TANKS MANUFACTURING**

- Oil depot.
- Digesters.
- Fermenters.
- Flat-bottom, cone top tanks.
- Flat-bottom open top tanks.
- Milk storage silos with agitation, 3A.

Our know-how: design and manufacture of tanks and vessels

BOCCARD HAS 6 STAINLESS STEEL WORKSHOPS IN THE WORLD



HORIZONTAL WORKSHOP

Dedicated to sterile stainless steel tank and agitator manufacturing for the pharmaceutical, food, biotech, cosmetics and chemical industries.



VERTICAL WORKSHOP

Equipped with latest and innovative technologies, dedicated to insulated storage and process vessels, sterile or not, cookers and fermenters.



ON-SITE MANUFACTURING

Boccard relies on in-house technology and skilled staff to erect large capacity vessels directly on site.

Our solutions:

3 product lines



Process and mixing vessels

(WITH OR WITHOUT THERMAL EXCHANGE)

Boccard Process Vessels provides technical solutions for pressure vessels for sterile applications, bioreactors, biofermenters, pre tanks, melters and mixers according to your specifications. These solutions are all compliant with the standards and regulations in force: **DESP, CODAP, ASME, GOST, Stamp Ü, ATEX**. Our stirring system experts offer a wide range of tools providing mixing, dispersion, emulsifying, incorporation, pigging, homogenization and fermentation features.

With over 80 years of experience, our engineers define optimal solutions for heat exchange areas, sizing of double envelopes and half-shells to maintain the temperature, heating and cooling of your products. Cleaning-in-place systems (CIP) are positioned according to the geometry of the tanks and of **the mixing system** (compliant with EHEDG, 3A recommendations) in order to guarantee the most efficient cleaning of the tank.

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Storage vessels

(UP TO 200M3)

Boccard meets your needs for insulated storage tanks, single envelop , double envelope, on feet, on skirt or on concrete basement that can be equipped with pendular or wall-mounted stirring system, up to 200m3. Beyond that, Boccard builds large tanks on site.



High capacity vessels and reservoirs

(UP TO 5000 M3)

Boccard is an international force in the construction of **high capacity vessels and reservoirs, in stainless steel and duplex** up to 5 000 m3 with diameters extending to 45 meters. These **large vessels** are designed for all types of application: **fluid storage, chemical plants, digesters, fermenters**.



biotechnologies industry



pharmaceutical industry



cosmetics industry



dairy and food industry



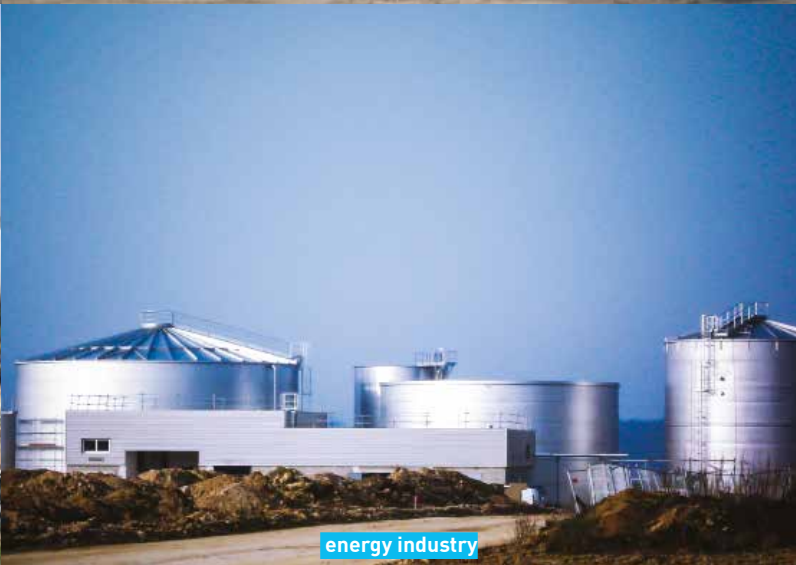
beverage industry



chemical industry



nuclear industry



energy industry

Our added value: products tailored to each industry

A PROACTIVE APPROACH THROUGH ACTIVE LISTENING AND PARTNERSHIP

- We support our customers over the longterm.
- Beyond the project, our teams build trusting relationship
- You can rely on our financial strength and our proven expertise.

CUSTOMIZED SOLUTIONS

- A dedicated design department specialized in stainless steel tanks & vessels with experts in agitation systems.
- Softwares: Microprotol calculation and finite element; AutoCad, Solidworks.
- Knowledge of applicable standards: AsmE, Codap, AD merkblatter, British standards, Codres, API650, EN14015, stamp Ü.
- Welder certifications: 304 and 316L stainless steel, uranus 45N, duplex, hastelloy, inconel, titanium, nickel alloys.

LOCAL SUPPORT

- Our expert engineers travel to better answer to your expectations.
- Our site managers and technicians operate on your sites.
- Bocard can support you on all 5 continents.



Quality in manufacturing

Flexibility of the teams

Availability

On time commissioning

Reactivity



Quick implementation

Expertise deployed worldwide

Quality guarantee



**More than 80 years of
experience in
tanks and vessels
with agitation**

**Capacity :
+ 400 tanks
annually**



**Global reach through
our 55 Business Units
located in more than 30
countries**



« Boccard has taken on a technological challenge by designing and manufacturing a turbo-mixer with a perfectly balanced agitator for Danone. At 1,500 tr/min, the mixer dissolves 1500 kg of powder in 1500 L of cold liquid in seconds! The unit started up right after the first tests, performing up to expectation and its performance level is within the expectations.»

C.C. Project Manager, Danone St-Just

« The Boccard teams took on the challenge and met our expectations all along the four years of compliance implementation for our perfume line, without production downtime.»

P.G., Christian Dior perfumes



« For the execution of our Biotechnologies plant in Latin America, we selected Boccard because as integrators - constructors they are able to propose full turnkey installation, while proposing a performance guarantees. We valued their expertise in all fields, especially in vessel manufacturing. Indeed, since we are involved in the plasma derived medication manufacturing, our requirements are highly demanding.»

S.G. New Plant Project Director at IFB SIs

Our commitment: to guarantee your satisfaction



OUR PRODUCT QUALITY

We are ISO 9001-2008 certified.
Our specialized teams are involved in all project stages in order to understand and strictly abide by all customer's requirements.

A thorough and detailed technical documentation ensures the correct execution at all production stages.

Your tanks and vessel are accompanied by an accurate and reliable information folder for maximum exploitation.



SERVICE EXCELLENCE

Boccard has its own experts in the fields of agitation, heat exchange, boilerwork, welding, polishing, project management, all of whom get involved on site around the world.



MEETING DEADLINES

The manager assigned to your project ensures follow-up at each building phase, till on-site installation. This way, we guarantee the delivery time proposed at the preliminary project stage or at the time of receiving your purchase order. Our commitments:

Safety first

On time

On spec

On budget.



THE PARTNER FOR YOUR NEW PROJECTS ALL AROUND THE WORLD

Thanks to its presence on the 5 continents, Boccard guarantees the best services and the ability to mobilize teams to reach your sites wherever they you are located.

PROCESS VESSELS



CONTACT US

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tanks-vessels](http://www.boccard.com/en/tanks-vessels)



We design, manufacture, assemble and install stainless steel process mixing vessels and storage tanks for our customers worldwide who transform raw materials into products for people's direct consumption.

Our centers of excellence (**Food & Beverage, Health&Care and Brewery**) are committed to achieving the highest levels of quality and safety in over 100 countries, while ensuring optimal productivity to serve demanding markets.

Our experts in Process Intelligence and Project Management work on a partnership basis with companies of all sizes, including major global players, to build new facilities or upgrade existing systems to meet and surpass key performance indicators: product excellence and consistency, efficient time-to-market, responsiveness and flexibility.

In everything we do, our goal is to provide you with the best process experience, now and in the future.