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S.A. au capital de 1.000 000 €
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Code APE 3320A

RELIABILITY
INNOVATION



Labbe
Process Equipment

STAINLESS STEEL & NICKEL ALLOYS
EQUIPMENT DESIGN & MANUFACTURING



LABBE : A TRUSTED PARTNER WITH PROVEN REPUTATION



Since its foundation in 1948, Labbe has specialised in stainless steel manufacture. It has been at the forefront of technical innovation adapting its know how to markets needs.

Labbe designs and manufactures process equipments using highly developed engineering techniques and the latest calculation software. This development policy has been the basis of its success since its foundation.

Labbe has supplied the best quality product to international industries, for more 65 years, reaching a leader position in its field.

Labbe manufactures high quality pressure vessels, reactors and shell & tube heat exchangers. All of them are made of stainless steel and nickel alloy for the chemical, food, petrochemical, cosmetics, pharmaceutical and energy industries.

An exceptional production site at the crossroads of Europe

- 15 000 m² factory floor and 11m height
- 4 halls 108 m long x 20 m wide x 15 m tall each
- 1 pit of 6 m diameter x 4,5m deep
- 4 factory doors 7 m wide and 7.5 m tall each
- 12 rolling cranes able to lift 10, 20, 32 and 50 tons each

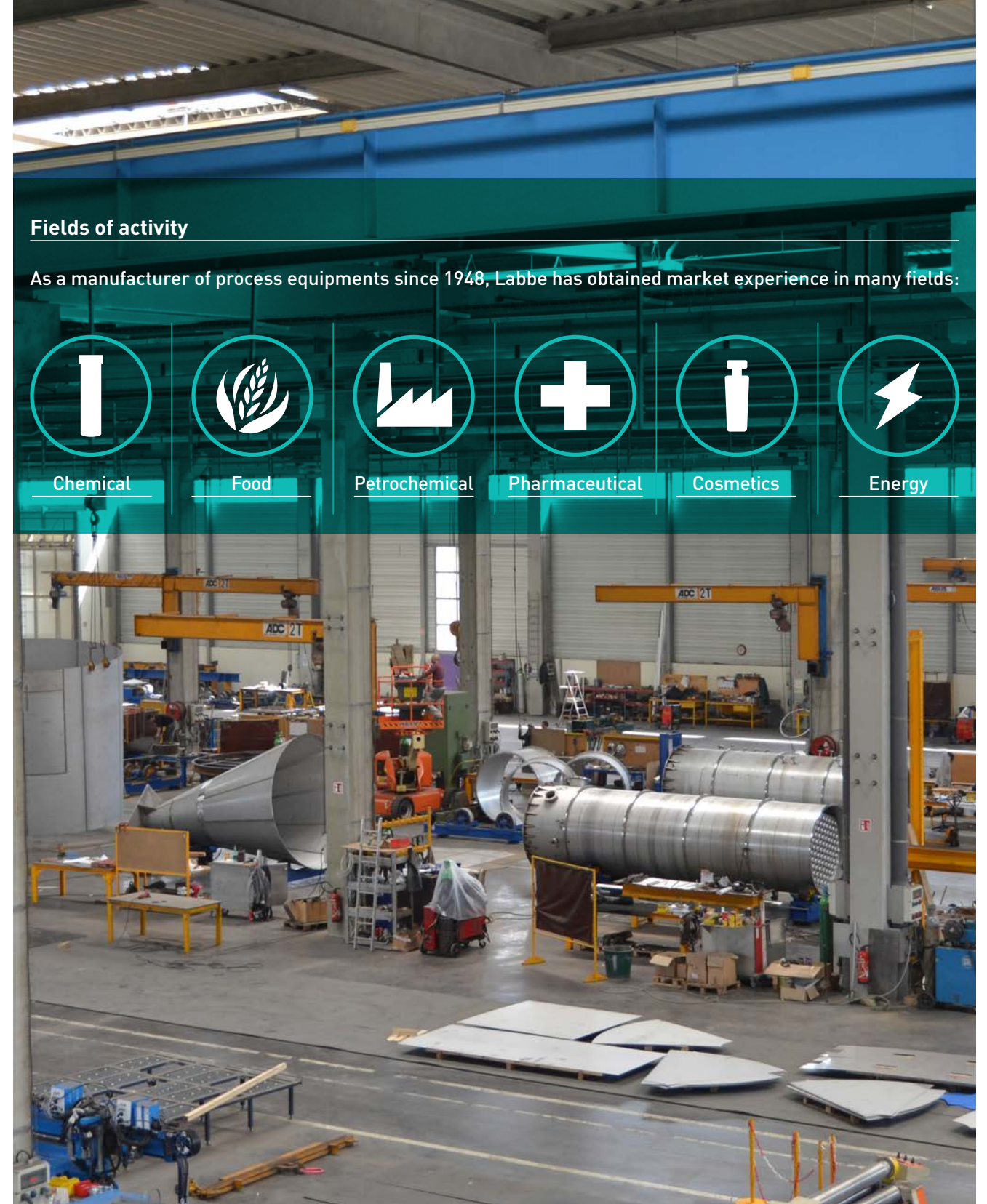
The production site at Tournan has been chosen for its strategic location next to Marne la Vallée and its close links to the transport network

Labbe meets the highest demands at its production plant

Labbe manufactures process equipments made of Stainless Steel, Duplex, Incoloy and alloy. The vessels can measure up to 7 meters diameter, 50 meters long and 200 Tons weight



UNIQUE PRODUCTION METHODS AND FACILITIES



Fields of activity

As a manufacturer of process equipments since 1948, Labbe has obtained market experience in many fields:



Chemical



Food



Petrochemical



Pharmaceutical



Cosmetics



Energy



CERTIFICATION



Our quality management

Labbe's quality management system is certified in compliance with ISO 9001 since 1993.

Labbe has established a long term partnership with notified bodies as: TÜV, APAVE, ASAP, UDT, ASIT, Rostechndzor.

Our values

As a real partner, Labbe advises and works with its customers from the very first stage of a project up to the supervision on site.

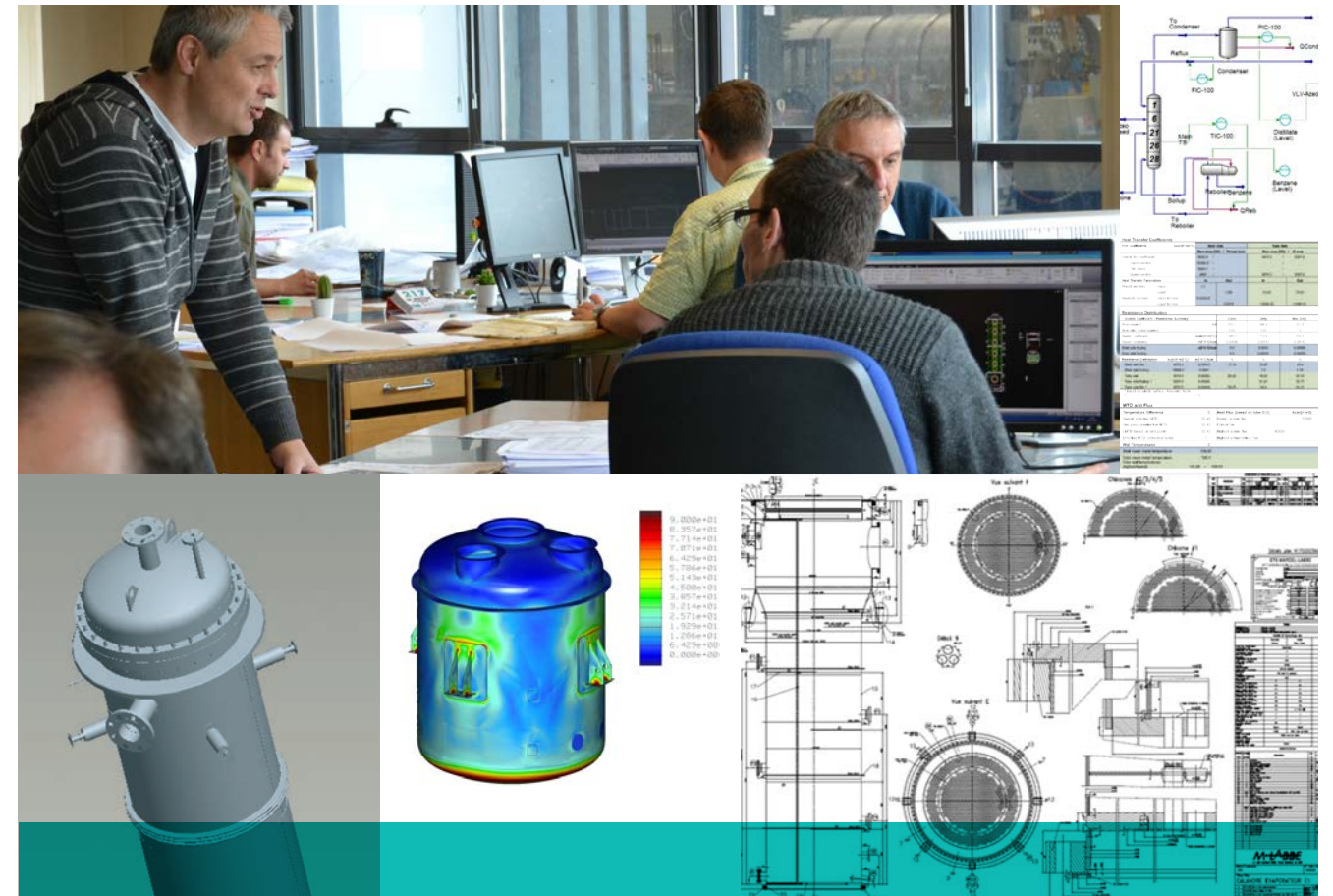
Labbe's human and technical development offers you a unique Know-How.

Labbe is an eco-friendly company, which recycles metal and waste. Its pickling area meets the requisitions of the environmental standards.

Its values, inherited from the experience of three generations, offer to its customers the best technical and commercial service.



DESIGN OFFICE



Labbe carries out:

- Mechanical engineering
- Heat exchangers thermal design
- Columns process studies
- Construction drawings
- Material expertise

Our company also meets the requirements of international standards such as: PED 97/23/CE, AD-Merkblatt, GOST-R, UDT, ISCIR, SQL, SVTI, EN13445

Conception according to the industrial Agreements and Certifications:

Manufacturing codes:

- EN 13445 • CODAP • CODETI • AD-MERKBLATTER
- ASME • TEMA • RCCM...

Calculation records:

- Microprotol • Cesar II • Finite Elements

Construction drawings in 2 and 3 D:

- Autocad • Pro Engineer

Welding:

- WPAR : NFEN 15614 and 288.3, AD 2000 Merkblatt HP 2/1, ASME IX



STOCK

Permanent stock



1.000 tons stock of stainless steel sheets

A permanent stock of stainless steel plates assures a mastering of the different delivery times



CUTTING

Water jet, Laser, Plasma, Saw



Water jet
4m x 14m
– th. 150 mm

Plasma
3.5m x 14m
– th. 60 mm

Laser
3m x 6m
– th. 30 mm

Saw
6m – th. 120 mm

DISHED HEADS

Pressing and flanging process



2 presses, 2 flanging machines

- Max diameter 4,5m
- Max thickness 22 mm

ROLLING

Shells, cones



4 rolls

- Max length 3,5 m
- Max thickness 50 mm

MACHINING

Turning, milling, drilling



2 numerical control centers

- Max height 2,5 m
- Max length 7 m
- Max diameter 2,5 m

WELDING



Plasma welding and automatic GTAW

Submerged arc welding

Orbital welding with :
• 2 generators and 4 orbital heads, manual GTAW and SMAW, semi automatic welding

- Column welding and boom

POLISHING



Machine polishing & hand polishing

2 machines max diameter 4,5m

TESTING



- Hydraulic pressure test
- Vacuum test
- Dew point below water
- Helium
- Penetrant flow testing
- X-rays
- Ultrasonic
- Macrography

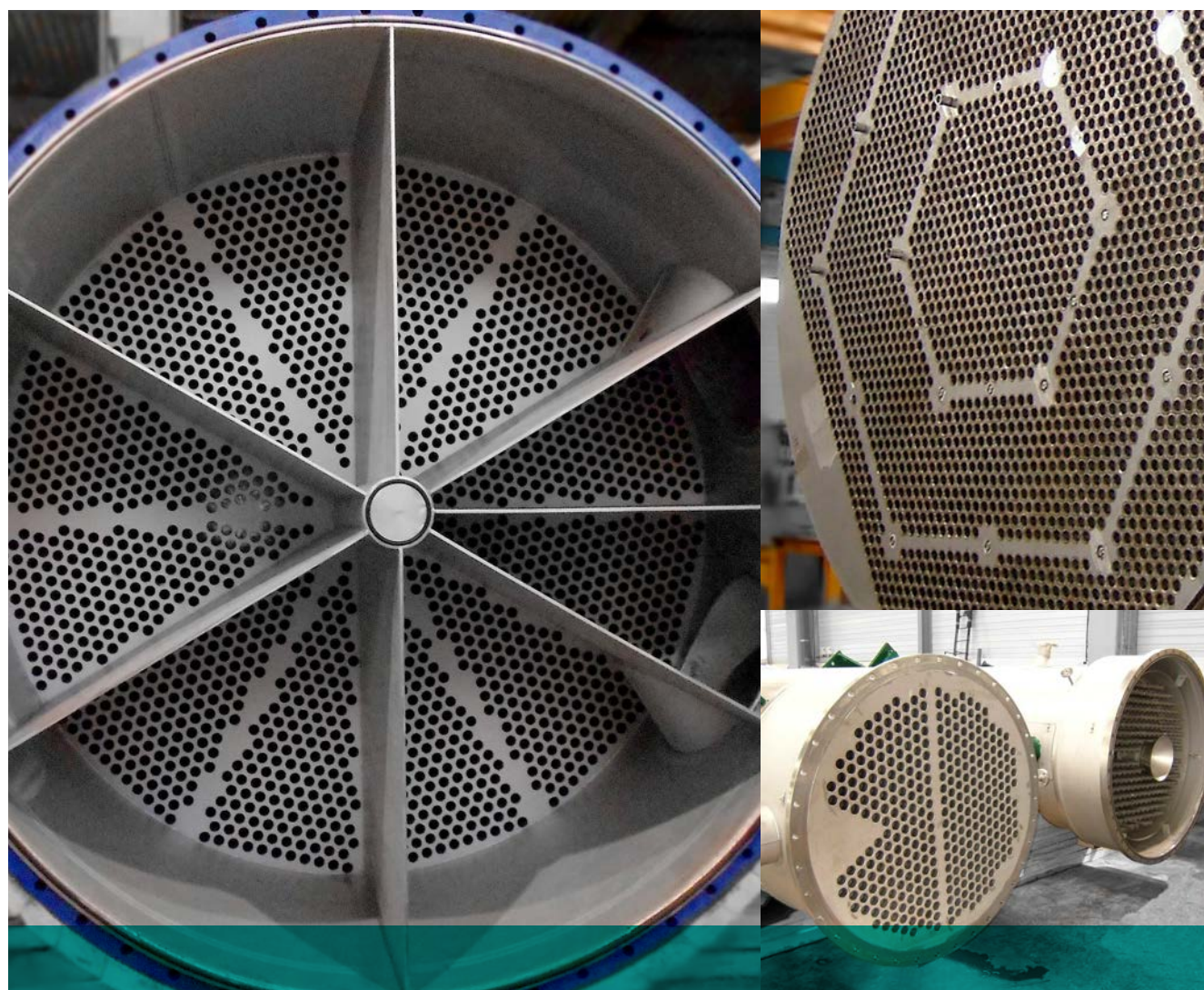
PICKLING & PASSIVATION



A 400 m² pickling area in accordance with environment protection requirements



SHELL & TUBES HEAT EXCHANGERS



For more than 65 years, Labbe has been designing and manufacturing shell and tubes heat exchangers in stainless steel and nickel alloy for various applications: condensers, boilers, coolers, heaters, evaporators, crystallisers.

Thanks to its latest calculation software to design and to manufacture heat exchangers, Labbe offers the best technical solution with an optimal cost benefit ratio according to client needs and all international standards.

Labbe performs design of shell & tubes heat exchangers thanks to mechanical engineering and thermal design.

Labbe is the French specialist of shell & tubes heat exchangers:

- Gas / gas heat exchanger
- Liquid / Liquid heat exchanger
- Liquid / Gas heat exchanger



REACTORS

Labbe performs mechanical engineering and manufacturing of stainless steel reactors for the chemical industry.

With a recognized know-how, Labbe vessel manufacturer always guarantees you the best technical solution for your application.

Thanks to an outstanding workshop, Labbe is able to make various configurations of different kinds of reactors:



Half pipe coil



Internal coil



Dimpled jacket



For many years, Labbe has specialised in mass transfer technology and offers you distillation, absorption and concentration columns with internals.

INTERNALS OF COLUMNS

After many years experience in development, design, and manufacturing of internals, Labbe is your best partner to find the optimum solution for your application.



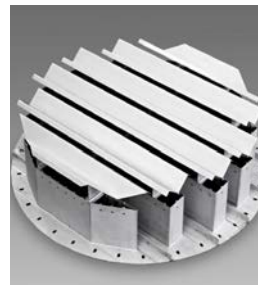
Structured packing



Trays

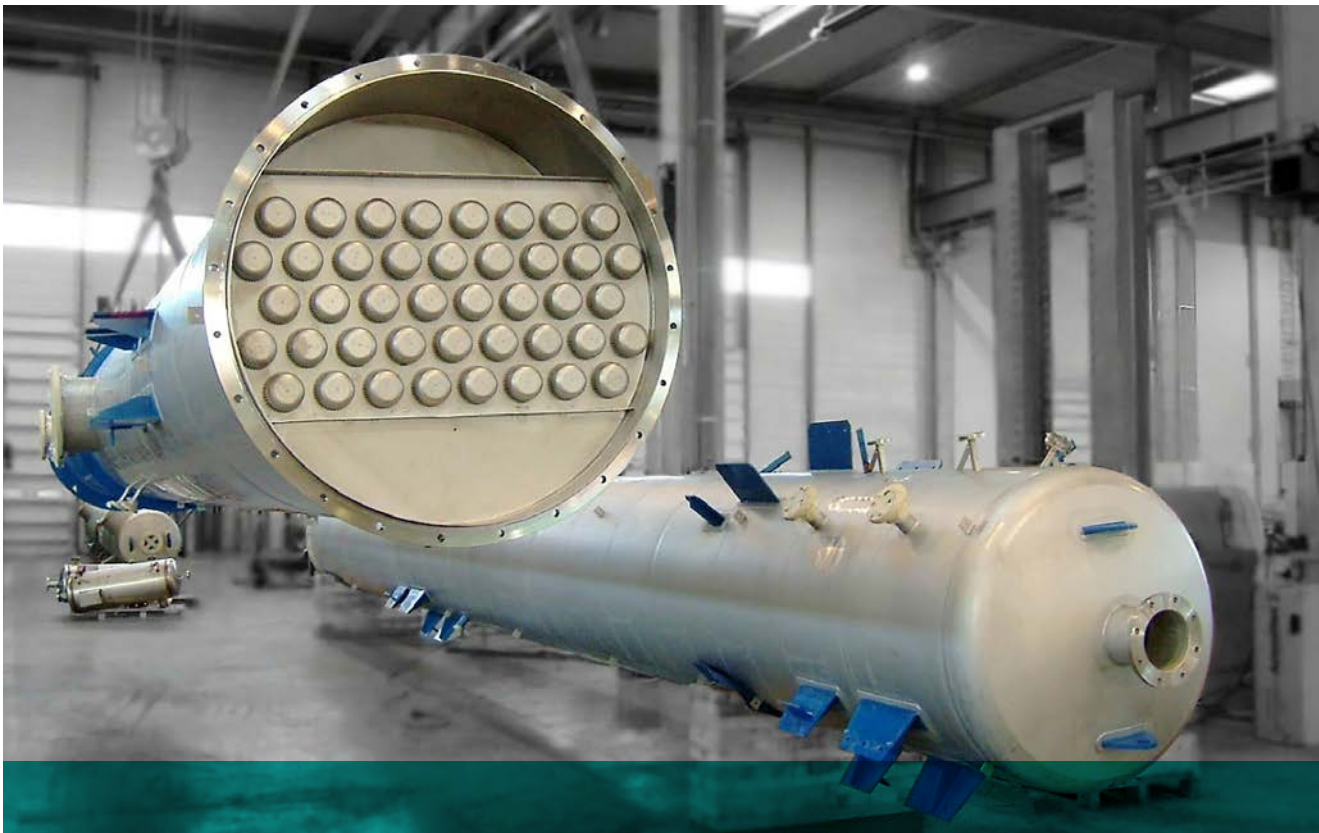


Random packing



Support & distributor

Labbe supplies columns and internals with short delivery times



PRESSURE VESSELS

Labbe manufactures many types of stainless steel pressure vessel for a wide range of industrial applications.

Labbe designs pressure vessels following design conditions, such as nozzle loading, wind loading, blast loading and earthquake calculations. Labbe uses both software and homemade calculations.

VESSELS

Labbe expertise and reactivity allows to offer the best tailor-made solutions suited to customers needs.



Storage tank



Cyclone



Blender



Filter