

# Introduction

"Mercier Ingeniería y Fabricaciones" company core business is the manufacturing of mechanical equipments focused on several business lines details at follow:

1.- Design and manufacturing of equipments for the sugar industry, developing equipments for the main stages of the process.



2.- Manufacturing of mechanical equipments under customer requirements

3.- Pressure Vessels design and manufacturing



4.- Original Mercier spare parts manufacturing for the maintenance of industrial plants.

5.- Repair and maintenance service, assembly and supervision.

# Location

Mercier Infa is based in Zaragoza, a north-east city from Spain with high industrial and logistical tradition. Regarding logistical facilities maximum distances from Mercier company we have:

Dry-port: 10 Km  
Sea port: 300 Km (Bilbao or Barcelona)  
Airport: 10 Km  
European High Way E-90: 1 Km  
High speed train station: 3 Km  
Bus station: 3 Km



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# General presentation





# Engineering and technical office

# Manufacturing Tools

# Quality

Mercier Infa is a quality system certified company based on ISO 9000 certification with standard UNE-EN-ISO 9001: 2008.

## Design

Equipments for the sugar industry. With almost 100 years of history in the sugar industry, Mercier is a reference in the market being leader in the european market for so many years.

Our skilled engineers are able to design with Autocad, Inventor and Catia offering high accurate on the developing of mechanical parts.

Design codes: CODAP, EN 13334, ASME, AD Merkblatter

## Project Management

Project management for the manufacturing of equipments under customer requirements.

We work as metal constructor for several of the main engineering companies around Europe.

You design, We manufacture

## Supervision on site

Specialized engineers and technicians in the assembly and commissioning on site.

Mercier makes available a team of engineers and technicians to the development of projects on site when is required in order to make sure that the commissioning and start up of the machines are correctly made.

## Machining



CNC Boring mill-milling machine, 12.000 x 3.000 m. Ram = 1.250 mm.  
 CNC Boring mill-milling machine, 6.000 x 2.500 m. Ram = 1.250 mm.  
 SACEM mobile column boring mill with 130 mm. spindle, 7.600 x 2.500 mm. stroke, with HEIDENHAIN 3-axle CNC  
 UNION fixed column-boring mill with 125 mm. spindle, 3.000 x 2.800 mm. stroke, with HEIDENHAIN 4-axle  
 CORREA CNC milling machine, 3000 x 1000 mm. stroke.  
 HEID bridge milling machine, 3.600 x 1.200 x 1.000 mm. stroke, with BOSCH 3-axle CNC  
 MERCIER bridge drill 2.500 x 2.000 mm. stroke, with FAGOR 3-axle CNC  
 MERCIER bridge drill 2.000 x 2.000 mm. stroke, with FAGOR 3-axle CNC  
 2 IBARMIA 30 drills, with FAGOR 3-axle CNC  
 Vertical lathe 3C3, 2.800 mm. working Ø and 1.200 mm. high  
 TOKAPHO CNC vertical lathe, 3.260 mm. working Ø and 1.600 mm. high (with dimension display)  
 SCHIESS vertical lathe, 2.200 mm. working Ø and 1.500 mm. high (with dimension display)  
 HERYLIGENSTAEDT horizontal lathe, 1.720mm. over bed frame and 10.500 mm. long between points  
 MODUL automatic gear cutting machine with 2.300 mm Ø max  
 MODUL automatic gear cutting machine with 2.700 mm Ø max  
 Flywheel lathe Ø4.000 x 8.000 mm. And Ø8.400 x 1.500 mm  
 Elevation means, 5 bridge-cranes, the largest for 25 + 5 Tm.

## Welding



KOIKE high definition plasma cutting table up to 20 mm, CNC 6.000 x 3.000 working cut  
 HAEUSLER bending roll, 3.000 x 42 mm  
 ESAB 1.200 A automatic welding column, to 6000 mm Ø and 50Tm  
 More than 15 portable machines TIG, MIG/MAG and MMA  
 Elevation means, 11 travelling-cranes, the largest of 25 Tm.  
 Modular stresses relieve ovens, maximum dimension 4.000 x 4.000 x 25.000 mm.  
 Shot blasting premises  
 Painting premises

## Assembling



Metallic plate assembly base of 5.000 x 20.000 mm  
 Elevation means, 2 travelling cranes, the largest of 25 Tm  
 Horizontal Press 250 Tm

MERCIER INFRA, SLU has a surface area of 40.000 m2 of which 12.000 m2 have been built on with 9 workshops and 2/3 cranes per workshop with a hook height of up to 9.5 m. and 25-ton elevation. The workshops of our facilities are high enough and have sufficient surface area to be able to use mobile elevation means.

## Human team:

- International welding engineer.
- Inspector- Level II END (TÜV ISO9712 and SNT-TC-IA).
- International welding inspector at standard level.
- Technicians level II – Penetrant liquids (ISO9712 and SNT-TC-IA).
- Technicians level II – Magnetic particles (ISO9712 and SNT-TC-IA).
- Technicians level II – Visual inspection.
- Certified welders- EN and ASME-IX.

## Inspection equipments:

- Three ultrasound equipments (Sonatest:250 Sitescan and Sonagage II).
- Magnetic particle (Magnaflux KH 20 and yoke Magnaflux Y6).
- Hardness: Fixed and portable hardness testers HRC HB and HV.
- Micro-hardness tester HV.
- Portable roughness testers Ra Rz.
- 20 Tm. Universal test machine.
- Charpy pendulum.
- Radiographic Bunker 3.200 x 6.200 x 2.700 mm.
- Faro arm for dimensional checks up to 3 mts.
- Spectrophotometric chemical elements analyzer.
- Metallographic Test.

## Certifications

- ISO 9001:2008.
- ISO 3834.
- Russian Customs Union pressure vessel certification.

