



IMPIANTI TUBAZIONI MONTAGGI INDUSTRIALI

**CUSTOMIZED MECHANICAL
MACHINING**

**AN IN-DEPTH LOOK AT OUR
MACHINING AND PAINTING AREAS**



- 1 ADMINISTRATIVES OFFICE
- 2 TECHNICAL OFFICE & QUALITY
- 3 BUNKER & DARK-ROOM
- 4 PRECISION MECHANIC JOBS
- 5 SHOT BLASTIC AND PAINTING

- 6 WAREHOUSE (1)
- 7 WAREHOUSE (2)
- 8 PIPING & STRUCTURAL STEEL FRAMES CONSTRUCTION
- 9 BASE FRAMES & PACKAGES ASSEMBLY
- 10 PACKAGES ASSEMBLY
- 11 TEST -BENCH AREA
- 12 PAINTING STORAGE
- 13 UNCOVERED STORAGE AREA

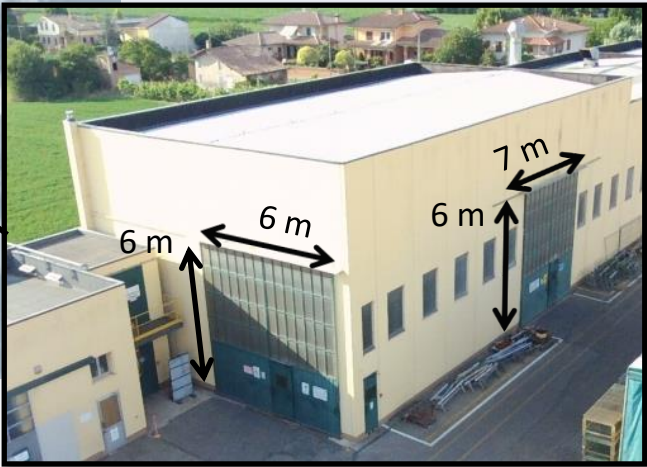




AREA

390 m²

LARGE SLIDING DOORS
OPENING DIMENSIONS
From 6 x 6 m to 7 x 6 m



MECHANICAL WORKS



Universal “FRORIEP” a fully automated milling and boring machine, CNC controlled and operating on three axis, allows the machining of items with considerable dimensions in length, height and width (approx. 11m x 4,5m x 1.4m), and weight up to 50÷70 tons. The machine is completed with several special tools for milling, drilling, trading, boring and lapping.



Boring machine “KOMPAKT” Milling fixed worktable
Dimensions 2m x1m x1m (h)



TECHNICAL DETAILS



- Horizontal Capacity Pillar Displacement (X axis) 11.000 mm
- Vertical Capacity Mandrel Head Displacement (Y axis) 3.700 mm
- Maximum depth with Z-axis round spindle 1.400 mm
- Maximum depth with Z-axis bearing compass 800 mm

- Overall workbench size:
 - Lenght 14.000 mm
 - Width 4.800 mm
- Lifting Capacity:
 - No.2 bridge crains 10 to 25 tons

Mechanical Machining Works:

- ✓ Milling, Drilling, Boring, Tapping, Reaming

Machining Dimensional Check:

- ✓ With Leica 3D laser-tracker measurement system

BASEPLATE AND HEAVY STRUCTURES



GASCO - Taweelah Gas Compression Station Project - UAE



ADCO NEAD BU HASA - ABU DHABI



Maxus - INDONESIA

MOBILE CRANES & OTHER LIFTING SYSTEMS



MOBILE CRANE

No. 6 from tons. 15 to 35

Jib length available m.20 ÷ 40

No. 4 from tons. 0.5 to 12

Jib length available m.4 ÷ 25

PLATFORM CARS

No. 6 from tons. 10 to 100

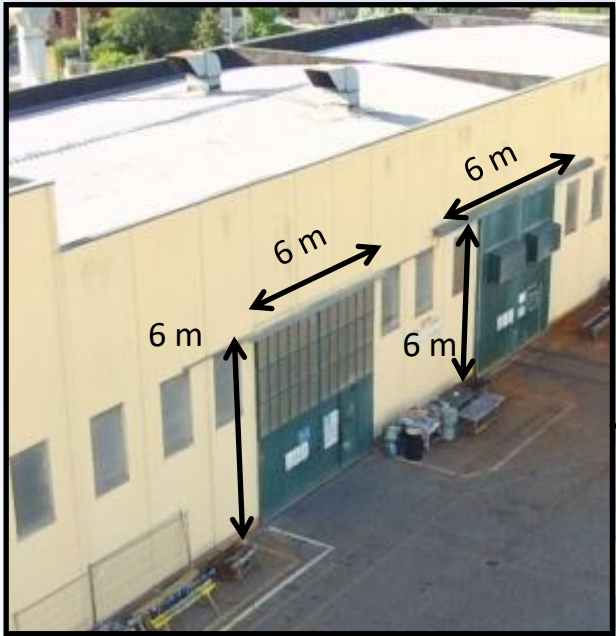
FORKLIFT TRUCK

No. 4 from tons. 2.5 to 5

No. 1 – 14 tons

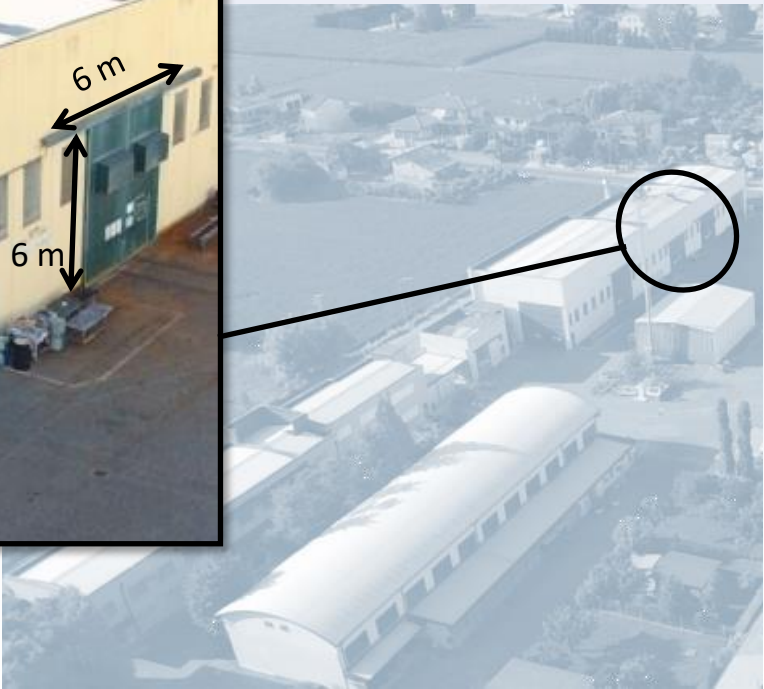


ADDITIONAL INSIDE SERVICES:
SHOT BLASTING AND PAINTING



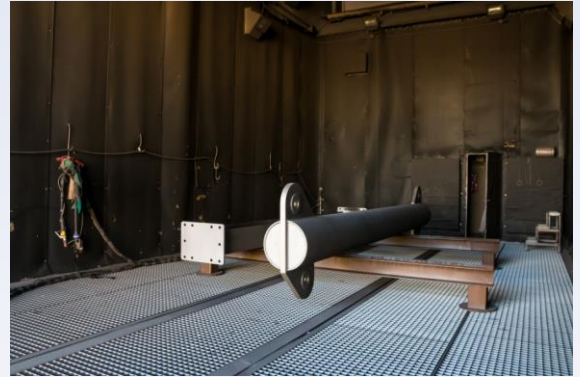
LARGE SLIDING DOORS
OPENING DIMENSIONS
6 x 6 m

AREA
400 m²

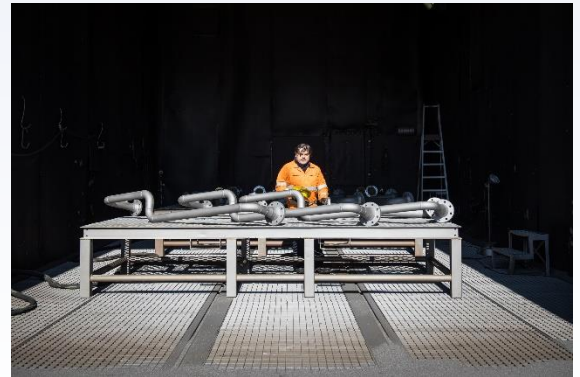


SHOT BLASTING AND PAINTING

The shot blasting shop consists of an area of 100 m², complete with dust blasting system recovery and testing devices according to current codes. The shot blasting system uses cast steel sharp metallic grit, for the preparation of surfaces as required by applicable painting cycles.



The painting shop consists of an area of 300 sq. meters, fully equipped with floor grids and dry filtering suction system. All in full compliance with local environmental regulations and provided with accurate tools like Pin Hole, Cross Hatch Cut and adhesive paint testing methods. We can execute protective treatments on the basis of the different purposes and conditions of use of the product, such as corrosion, high temperature, oil dripping, abrasive action, etc.



The characteristics of the surrounding area, verified by means of thermo-hygrometer, assure a proper protection against climate conditions, dampness and temperature changes for the whole application and drying cycles. F.B. is qualified according to **NORSOK coating procedure** (M501 rev.6 cycle 2A, 6B and 6C) and **level II inspector FROSIO certified for painting and coating (NS 476)**.



COMPANY CERTIFICATION



The Company can count on a level II inside FROSIO certified Inspector for painting and coating (NS 476).

Certified coating procedures according to NACE and to Norsok standards are among those currently used for painting.




Inside Level 2 non-destructive testing qualified Operators (EN-ISO 9712 RT/MT/UT/PT/VT) are part of the Company's quality control area.



The Company's International Welding qualified Engineer coordinates the Team of certified welders.

COMPANY CERTIFICATION

Certification	Scope	Year of first audit
ISO9001	Design, construction, inspection and testing of piping and pressure equipments, skid mounted industrial equipments and relevant instrumental systems. Design and construction of steel structures.	2004
EN1090	Structural Components for Steel Structures	2013
PED MOD.H	Pressure Vessel, Interconnecting piping, Assembly Skid	2009
UNI EN ISO 3834-2	Construction of welded steel structures and pressure equipments	2013
ASME U	Manufacture of pressure vessels	2000
National Board - AUTH	Authorization to apply the National Board mark and register boilers and pressure vessels	2000
DNV-GL	Welding workshop approval certificate for piping system	2019




F.B. S.p.A.
Via Cristofori, n° 2 - 44042 ALBERONE DI CENTO (FE) - ITALY

Certified site:
Via Cristofori, n° 2 - 44042 ALBERONE DI CENTO (FE) - ITALY

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
Scope of certification
Design and production of base plates for gas turbine, boiler and pipelines, cooling and lubrications, filtering and separation systems,




CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL
Certificate number 1370-CPR-0534

In accordance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation - CPR), this certificate


PRODUCTS	STRUCTURAL STRUCTURES
CHARACTERISTICS*	Execution Class: CE Marking Method
	placed on the market under
MANUFACTURER	F.B. S.p.A. HEAD OFFICE: Via Cristofori, 2 - 4
	and produced in the
MANUFACTURING PLANT	Via Cristofori, 2 -

This certificate attests that all provisions concerning the design and production of the above products are in accordance with the requirements of the management system standards detailed below



F.B. SPA
Head Office and Operative Site:
Via Cristofori, 2 - 44042 ALBERONE DI CENTO (FE) - ITALY

Bureau Veritas Italia spa certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below



Bureau Veritas Italia SpA is a Notified Body under the number 1370

CERTIFICATO DI APPROVAZIONE DEL SISTEMA DI QUALITÀ
CERTIFICATE OF QUALITY SYSTEM APPROVAL
N° CE-1370-PED-H-FBI 001-17-ITA

Bureau Veritas Italia SpA, agendo nell'ambito della notifica (numero dell'organismo notificato 1370), attesta che il sistema di qualità applicato dal fabbricante per la progettazione, la produzione, l'ispezione finale e le prove sull'attrezzatura a pressione identificata di seguito è stato esaminato secondo le prescrizioni del modulo H dell'allegato III della direttiva « Attrezzature a Pressione » n. 2014/68/UE ed è conforme alle disposizioni della stessa.

Bureau Veritas Italia SpA, acting within the scope of its notification (notified body number 1370), attests that the quality system operated by the manufacturer for design, manufacture, final product inspection and testing of the pressure equipment identified hereunder has been examined against the provisions of annex III, module H, of the Pressure Equipment Directive n° 2014/68/EU, and found to satisfy the provisions of the directive which apply to it.

Fabbricante (Nome) / Manufacturer (Name): **FB S.p.A.**
Indirizzo / Address:

Nome - Marchio commerciale: **Trading Name - Mark**

Descrizione dell'attrezzatura / Equipment description: **Identificazione delle attrezzature (o elenco allegato necessario): Identification of equipment concerned (or list on the back where necessary)**

È richiesto di un allegato al certificato


DNV-GL
Certificate No. **WNA000110V**

WELDING WORKSHOP APPROVAL CERTIFICATE

This is to certify:
That **F.B. S.p.A.**
Via Cristofori 2
44042 Alberone di Cento FE, Italy

is approved for **Welding**
in accordance with **DNV GL rules for classification - Ships**
DNV GL class programme DNVGL-CP-4352 - Approval of manufacturers - Manufacture of welded products - Welding workshop

has been approved for the following range of applications
Piping Systems
and the following particulars
Manufacturer(s) approved by this certificate are accepted to deliver according to DNV GL, DNV and GL rules.



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: **F.B. S.p.A. ITMI**

SCOPE: **Manufacture**

Mechanical Engineers


THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS
Certificate of Authorization to Register

This is to certify that
F.B. S.p.A. ITMI
Via Cristofori, 2
Alberone Di Cento
Ferrara 44042
Italy

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): **U, U2**



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

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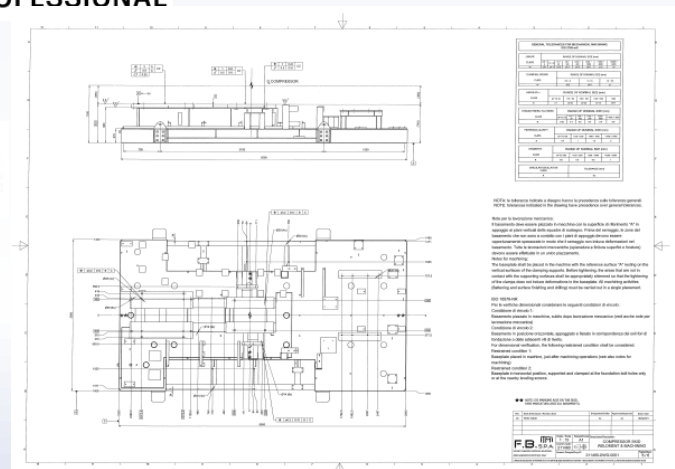
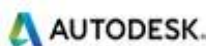
of pressure vessels at the above location only

Customers can provide their own drawings for machining or our inside Engineering Department can assist with drawing and 3D modeling.



**AUTODESK®
INVENTOR® PROFESSIONAL**

**AUTODESK®
AUTOCAD®**





Via Cristofori, 2 - 44042
Alberone di Cento (FE)
ITALY

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