



## The Company

Tecnofondi S.p.A., has been producing carbon steel and stainless steel **dished heads** for oil tanks, reservoirs and boilers since its opening in 1965.

The management structure allows to satisfy all clients exigencies either for quality or short time delivery.

The commercial organization provides an efficient and competent service to all Italian and foreign clients, both directly and by dealers.

As for the production, the structure is composed of two different and independent units: **the carbon steel- and the stainless steel unit.**

Materials are cold processed through two methods:

- **the press forming** with the use of press with standard moulds.
- **the dishing and flanging process.**

According to the ISO 9000 requirements, Tecnofondi's quality system is certified since 1996; since 2002 the company is also TÜV

certified and that, with concern to quality and efficiency, is a further guarantee to the clients.

Please remember that Tecnofondi is at your disposal, so don't hesitate to contact for any information.

Tecnofondi S.p.A.



## Production



Warehouse for heads



Unit for production of pressed heads



Dishing process

### Production range

- Our dished heads comprise different diameters, from 320 mm to 5000 mm, and thickness, varying from 1,2 mm to 32 mm.

### Warehouse of raw materials and heads

- Warehouse for 3500 tons of coils (length from 1000 to 2200) up to 12 mm thickness, quality S235JR and S355JR able to be galvanized. Plates available in quality S257JR starting from thickness 8mm.

- 700 tons of dished heads available from stock with normal or torispherical profile.

### Dishing and Flanging department

- 3 Press-forming machines with a power of 600 tons.
- 4 Flanging machines working up to a thickness of 32mm.
- 1 automatic submerged arc welding plant for oversized sheets and grinding plant for automatic grinding of the welding line.
- 3 Circular shearing machines to cut disks and crowns. One of them is fully automatic.

### Press-forming department

- 6 Oleo-dynamic presses up to a power of 1500 tons to obtain standard dished heads up to a diameter of 1800mm and to a thickness of 6,5 mm.

### Stainless steel department Warehouse of stainless steel sheets and dished heads

- Big warehouse for storing raw material and dished heads available in AISI 304 and 316, with hot or cold rolled finishing.

### Production department

- 2 Hydraulic presses for the press-forming up to a diameter of 5500mm with a power of 600 tons.
- 2 Flanging machines for dished heads up to a diameter of 5m and a thickness of 24 mm. Both machines are equipped with rolls in aluminium bronze alloy for a radius up to 450mm.
- 2 Automatic welding and grinding

lines with plasma torch, TIG and submerged arc for oversized sheets.

- 1 Machine to cover steel sheets with PVC film.
- 1 Circular and one linear shearing machine for a careful handling of the stainless-steel.
- 1 plasma cutting bench (2000 x 12000) to get disks, semi-disks and raw shapes for the production of cones.
- 1 bending machine able to produce cones up to a thickness of 6mm and a height of 1500mm.
- 1 Line for the polishing of dished heads to obtain different type of surface roughness.



Flanging process of a stainless steel head



Polishing of a stainless steel head



Transport of big heads