FACCIN

Datasheet

PPH

Hydroforming Press for Polycentric Dished Heads

Cost Efficient

Series Production

Faccin designs, manufactures, and supplies machines for dished ends production able to assure high productivity and maximum reliability to the manufacturers of truck tanks. The PPH series water presses by Faccin are widely used in the sector because they enable hydroforming of polycentric, oval, and circular dished heads with thickness up to 8 mm.

This process is obtained by pressing the plate against a die shaped according to the dished head shape to be obtained. A progressive increase in water pressure allows to achieve, within a few minutes, the required yielding of the material to obtain dished head crowning.

The PPH is forming dished ends in series much faster than a regular Dishing Press and with a very high surface finishing thanks to the hydroforming process.

Faccin's PPH water presses feature a set of hydraulic cylinders that keep the plate pressing system anchored to the bottom, developing a total force of over 2500 metric tonnes.

In addition, the water presses have a special sealing system that ensures no liquid seepage or leakage.

The PPH Presses, designed and assembled by Faccin, are CNC water presses able to assure complete automation of the production process. In fact, they can be equipped with full loading/unloading systems for significant reduction of production times.

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Standard equipment

- ☑ Siemens Numerical Control
- ☑ Set of moulds for different dished ends shape
- ☑ Special gasket system
- ☑ Safety devices

How does the PPH work?

The PPH takes advantage from high-pressure water jet towards the plate that blows against the top die fixed by a blank holder. This process allows the yielding of the material to reach the requested head depth always controlled by a laser system.

A set of hydraulic cylinders keeps the blank holder fixed on the head by developing a total force of over 2500 metric tonnes.

A special gaskets system guarantees the tightness against high-pressure liquid infiltration.

Faccin - Superior Quality Assurance

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