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•EPOPS•



BARNI
OFFICINE MECCANICHE



**HIDROSTATIC
PIPE TEST
MACHINES**

HIDROSTATIC PIPE TEST MACHINES

Our staff has already matured 30 years of experience in the design, engineering and manufacturing of customized special machines. Since 1995 we have in particular acquired a remarkable experience in the pipe production sector. During all this years we have designed and manufactured several hydrostatic pipe test machines on behalf of different suppliers and as suppliers.

In particular we have acquired experience in those operating ranges:

- pipes external diameters from 168 mm to 2540 mm
- pipes length from 6 m to 18 m
- closing forces from 250 tons to 4000 tons
- test pressure up to 1000 bar

Moreover we also gained experience with different pipe materials and configurations:

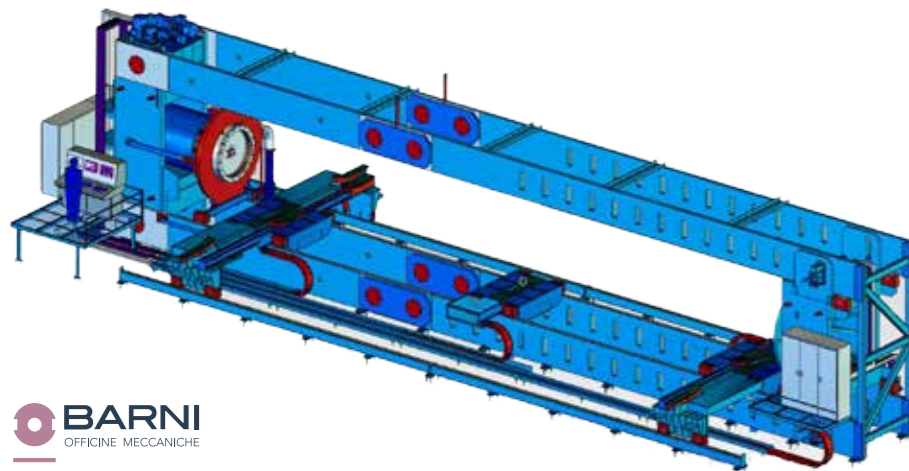
- carbon steel pipes
- stainless steel pipes
- oil-sector and gas-sector pipes with plain ends with couplings

We have also designed pipe test machines with inner seals, outer seals and with both of them in order to test pipes with threaded ends and or with couplings.



Machine built in 2009 and 2003:

Hydrotester designed for an European customer with 2800 tons of closing force, to test pipes up to 18 m length, 100" diameter, and 25 mm wall thickness with a pressure up to 250 bar.



Machine built in 2003:

Hydrostatic pipe test machine designed and manufactured for a stainless steel pipe factory to test pipes with a diameter of 20", lengths up to 12m and test pressures up to 500 bar.

Screen-shot sample of the monitoring software

At first our machines fills the pipe with the help of a low pressure pump up to the pressure of 6 bar.

As soon as this pressure of 6 bar is reached the air drain valve is closed and the high pressure pump begin is duty. Meanwhile the software starts to plot the graph of the pressure in function of the time elapsed.

This diagram can be printed, saved or can also be sent directly to a server.

