



Italcontrol[®]
YOUR GATE TO THE WORLD OF TESTING

ITALCONTROL

Testing is a serious matter

Italcontrol, thanks to **decades of experience** in the field of testing and calibration is able to offer one of the most complete **range of test benches** and special equipment on the market for testing industrial valves.



ITALCONTROL

Bigger the valve, bigger the test bench

Italcontrol is unique and stands out for its capacity **to design and create valve testing systems** without weight or size limits.

Always guaranteeing maximum safety, because seriousness in listening customer's needs, in identifying the best and most suitable solution using state-of-the-art technologies, allow us aim for goals above the standard.

Headstrong and determined.

Strong like a rhino.

ITALCONTROL

Made in Italy quality conquers the world

Since 1992, Italcontrol has been a **point of reference** in creation of valve testing systems for any type of plant.

Our commitment to innovation, dedication to quality, focus on customer's needs, time and energy invested in developing products and services that respond to the challenges and opportunities of the industry are what have allowed us to earn the trust of our customers and guarantee us to place superior quality products on the market.

1500

JOBS PERFORMED



ITALCONTROL

Offices and agents

Italcontrol has agents in all the countries where there is test benches demand, and it is ready to reach every corner of the world.

Germany, Spain, France, USA&Canada, Russia, Iran, Qatar, India, Thailand and Brazil.

And two subsidiaries, in Malaysia and China.



12

AGENTS IN THE WORLD

02

SUBSIDIARIES IN ASIA



TAILOR MADE SERVICE

Our test benches are built and customized based on customer needs, and on the size of the valves to be tested.



SERVICE TEAM

In every production site, anywhere in the world. With immediate service time in case of shutdown.

ITALCONTROL

A proven and tested partner, even under pressure

A strong push for technological innovation allows Italcontrol to optimize and increase, day after day, the efficiency of our systems.

Each of the test benches is **custom made**, according to the most specific technical needs of the customer and built using premium quality components, exclusively come from Italian or European suppliers.

ITALCONTROL

Service Team

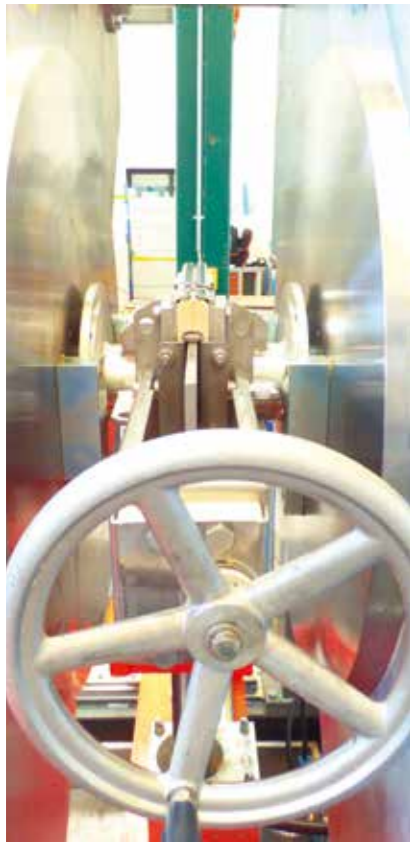
The internal team is at the service of our customer's plant safety, and carries out reassembly, commissioning and test bench training.

Our Service Teams are composed by specialized technicians who carry out the reassembly, commissioning and test benches training.

Italcontrol test benches are designed by the engineering department based on customer needs, built and tested on site, reassembled, equipped with necessary software and put into service at the customer's site by Service Team.

Everywhere, in Italy and in the world.

1. 3D CAD
2. CARPENTRY SHOP
3. CNC MACHINING CENTER
4. PAINTING DIVISION
5. ASSEMBLY WORKSHOP
6. INTERNAL FINAL TEST
7. FACTORY ACCEPTANCE TEST WITH CLIENT
8. DISASSEMBLY AND TRANSPORT
9. REASSEMBLY AT CUSTOMER'S SITE AND OPERATOR'S TRAINING



ITALCONTROL

Italcontrol accept every challenge: in terms of size, destination and assistance

The most important factor in the implementation of a test facility is the size of valves it will need to be tested.

If there is no limit on the size of the valves, there is no limit on the size of the testing system.

Italcontrol test benches and systems allow our customers to independently test the effectiveness of their valves, thus ensuring the correct functioning of plants all over the world.

**A great team work for everyone's safety.
READY TO RACE.**



ITALCONTROL

Test Benches

- Vertical Test Benches , VTS series
- Tilting Test Benches, TTS series
- Horizontal Test Benches, HTS series
- Multi Stations Test Benches, MTS series
- Safety Relief Valve Test Benches, SVA series
- Actuator Test Benches, ATS series
- Tube Test Benches, STS series
- Special Test Benches
- Cryogenic Test Benches
- Portable Control Units, POWER PACK
- Mobile Workshop, ITALBOX
- Bunker



VTS SERIES

Vertical Test Benches

In test benches with automatic running via PLC, the strength of the tightening of the valve under test is proportionally adjusted based on the class and the diameter of the same, to avoid compression or deformation of the valve body.

- Vertical test bench with fixing system through screw or hydraulic cylinder
- Maximum reaction force up to 3000 tons
- Test according to API, ANSI, DIN, BS, ISO, EN
- Hydraulic pressure test up to 4000 bars
- Gas pressure test up to 2100 bars
- Cavity line (3rd injection line)
- Analogical or electronic leakage measuring systems
- Actuator torque detection up to 150.000 Nm also for execution of automated test cycles for valve opening and closing
- Mobile valve support for easier loading/unloading operations
- ATEX conformity (optional)
- Operator protections compliant with EN 14121 standard
- Hydrogen testing (optional)

Valve range under pressure testing from 1/2" to 120"



TTS SERIES

Tilting Test Benches

Series of test benches able to test the valve in horizontal, vertical or inclined (tilting) position to simulate the real work. In horizontal position it's easier to place the valve into the test bench and it's also possible to assembly some particulars as bellows, actuators, steering and so on.

- Maximum reaction force up to 600 tons
- Test according to API, ANSI, DIN, BS, ISO, EN
- Hydraulic pressure test up to 4000 bars
- Gas pressure test up to 2100 bars
- Cavity line (3rd injection line)
- ATEX conformity (optional)
- Analogical or electronic leakage measuring systems
- Operator protections compliant with EN 14121 standard
- Hydrogen testing (optional)

Valve range under pressure testing from 1/2" to 24"



HTS SERIES

Horizontal Test Benches

Horizontal valve test benches, for valves or pipes, in a symmetrical or inclined position at 45° or at 30°.

- Maximum reaction force up to 6000 tons
- Test according to API, ANSI, DIN, BS, ISO, EN
- Hydraulic pressure test up to 4000 bars
- Gas pressure test up to 2100 bars
- Vacuum system
- Cavity line (3rd injection line) or testing DBB valves
- Single or double valve support/jack with 50 tons payload
- Analogical or electronic leakage measuring systems
- ATEX conformity (optional)
- Operator protections compliant with EN 14121 standard
- Hydrogen testing (optional)

Horizontal test benches for testing valves from 1/2" up to 84" or pipes with length till 12 mt



MTS SERIES

Multi Stations Test Benches

Test benches for multiple vertical tests up to 5 valves at the same time or on 2 stations of 5 valves independent of each other.

- Maximum reaction force 400 tons on all stations
- Discrimination of the leakage for every test station
- Test according to API, ANSI, DIN, BS, ISO, EN
- Hydraulic pressure test up to 4000 bars
- Gas pressure test up to 2100 bars
- Torque detection system up to 150.000 Nm also for execution of automated test cycles
- Analogical or electronic leakage measuring systems
- ATEX conformity (optional)
- Operator protections compliant with EN 14121 standard
- Hydrogen testing (optional)
- Hydraulic valve loading plates

Valve range under testing from 1/2" to 12"



SVA SERIES

Safety Relief Valve Test Benches

Designed for testing and setting any type of safety and pilot operated valve according to API 526 and API 527.

- Valve clamping on the work surface with manual or automatic clamps with hydraulic closure
- Maximum reaction force 170 tons
- Hydraulic test up to 2100 bars
- Gas test up to 1200 bars
- Analogical or electronic leakage measuring systems
- ATEX conformity (optional)
- Operator protections compliant with EN 14121 standard
- Hydrogen testing (optional)

Valve range under testing from 1/2" to 16"



STS SERIES

Tube Test Benches

Series of special test benches realized to comply with non-standard specifications or built with particular characteristics upon request.

- Test benches for hoses for tightness, burst, elongation tests
- Test with water, oil, air, gas
- Possibility of temperature testing
- Test benches for rigid pipes with max diameter of 60", hydraulic test up to 4000 bar and pneumatic test up to 1500 bar
- Pipe length up to 12 mt



ATS SERIES

Actuator Test Benches

Special test benches for valve actuator and spring insertion/testing.

- Maximum torque control up to 1.000.000 Nm
- Maximum angle control 100° or multi-turn
- Both static and dynamic test
- Both clockwise and anticlockwise rotation
- Electric actuators with torque up to 20.000 Nm

Suitable for pneumatic/hydraulic/electric actuators



SPECIAL

Special Test Benches

Special test benches made on customer specification or on the base of particular requests.

- "Hot oil" test up to 150 °C
- Cryogenic tests up to - 196 °C
- Fire test system
- Test system for CV calculation
- Station for nitrogen in gas production from liquid nitrogen
- Equipment for submerged test in water
- Special tests on customer specification
- Special equipments for test and assembling
- Portable pressurization panel
- Test rigs «slurry test»
- Hyperbaric chambers
- Hydrant test equipments
- Hydrogen pumping stations



POWER PACK

Portable Control Units

- With 1 or 2 pressurization lines
- Digital pressure gauges with PC interface for test data recording
- Easy loading on truck or car



Suitable for hydraulic test up to 4.000 bar or in gas up to 2.500 bar

Cryogenic Test Benches

Series of cryogenic test benches realized for tests at low or cryo temperature (from -50 °C to -196 °C) with valve locking system inserted inside the liquid nitrogen tank.

- Available in different dimensions from 1" to 12"
- Automatic temperature regulation system for LTT test execution at -55 °C or -110 °C
- Upon request, «fume extraction» system
- Optional oxygen concentration measurement control unit
- Automatic pressurization console for tests with blend or with 100% helium



ITALBOX

Mobile Workshop

Testing container, modular design that include high pressure test system suitable for testing/calibration and maintenance of multiple equipment with gas/liquid. Fully remote operation from an integrated control room with operating console and accessories.

- Container from 20" to 40" equipped with valve test bench
- Transportable container
- Marine container
- Separated working areas
- Air conditioning
- Power supply from external source or equipped with internal power generator
- ATEX certification available (upon request)
- RINA certification
- Lifting crane up to 1000 kg
- Integrated air compressor



Bunker

Bunkers and armoured protection for high pressure testing realized on customer's specifications.

- Modular bunkers and protection for high pressure test / explosion realized based on customers' specifications
- Internal lining in wood/alluminium to avoid the rebound effect of any projected piece
- System of high resolution cameras for inspection and test recording, even remotely
- Can be combined with pressurization stations for hydraulic tests up to 4.000 bar and gas tests up to 1.500 bar
- Wall thickness sized according to specific needs
- Automatic closing roof and doors



CONTACTS

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