



TESTING SOLUTIONS

BURST TEST IN WATER BENCH

B_23128



The B_23128 test bench is designed for testing up to burst of plastic containers for the automotive industry (tanks and coolant fluid expansion tanks).

The machine, with the various options, is able to perform:

- Proof test;
- Burst and/or pressure keeping tests.

Using a specific hydraulic circuit, the machine is able to generate a test cycle consisting of maintenance and controlled pressure ramps in accordance with the following standards:

SAEJ343 - ISO18869 - ISO1402 - PED.

TECHNICAL DATA:

- Max power: < 4 kW
- Peak pressure: 20 barg
- Maximum flow rate: 2400 l/h
- Tank capacity: 100 l

INSTRUMENTATION:

- Nr. 2 relative pressure sensors: 0÷20 barg
- Nr. 1 differential pressure sensor: -1÷5 bar
- Nr. 1 ultrasonic flow meter: 0,42 ÷ 4542,5 l/h

SAFETY DEVICES:

- Inability to start test with opened gates
- Magnetic restraint safety microswitch
- Emergency mushroom buttons
- INAIL certified maximum pressure valve

POWER SUPPLY:

- Voltage: 400 Vac-50Hz
3F+N+PE
- Max current: 16A
- Compressed air: 500 NI/min

DIMENSIONS AND WEIGHTS:

Console:

- L, p, h: 800 x 1198 x 1510 mm
- Raw weight: ~ 252 kg

Containment grating:

- L, p, h: 2736 x 3736 x 2000 mm
- Weight: ~ 100 kg

COLOR:

Console:

- Standard: Grey RAL 7035

Containment grating:

- Standard: Yellow RAL 1023,
Black RAL 9005

NOTES:

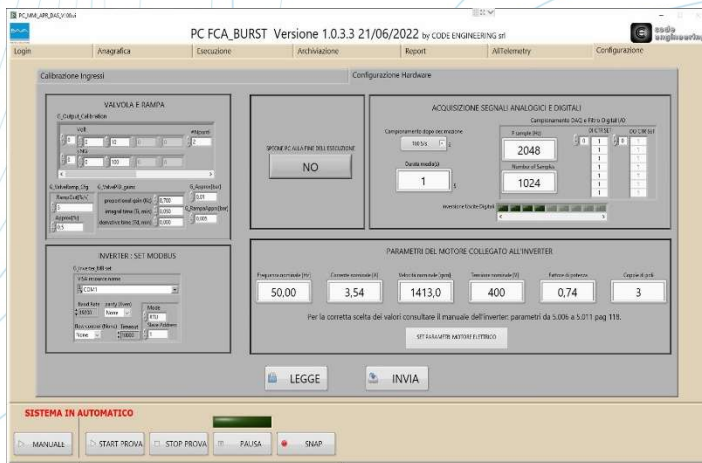
- Customizable on demand.



Connection system consists of a flexible hose that conveys water to the testing tank.

3 pressure transducers, with acquired signal, are available for installation on the component under test.

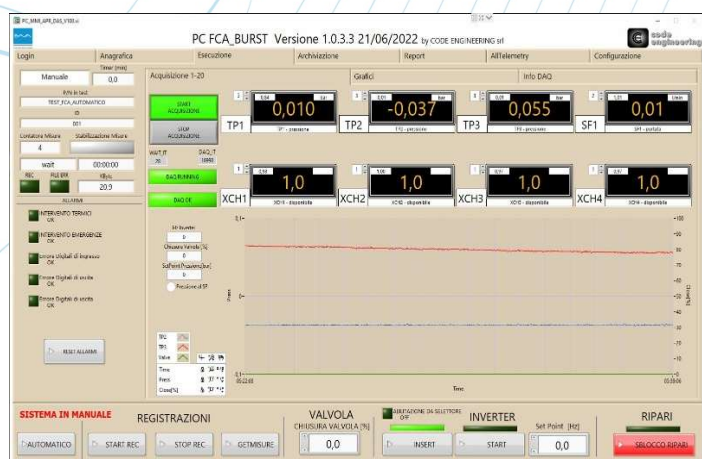
A single pressure signal, definable by the operator, can be used for hydraulic actuation.



Test bench is equipped with an acquisition system PC and a National Instruments DAS system.

The PC software, in addition to setting up the test, allows to parameterize and control every aspect of the test to be carried out.

The DAS allows you to export, in the most common file formats, test report and his graphic transposition.



The test bench meets the requirements of Industry 4.0 and allows to:

- link to third parties software in order to obtain informations about bench status and carry out control and his management operations;
- take advantage of the remote assistance service by the BAVA technicians;
- remotely control the bench, compatibly with permissions of the corporate network.

GUI can be set in multiple languages

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