



# TB-1 BLV

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Strong and stable iron frame, adjustable closing port cylinder.

Stand alone testing machine, especially developed for balancing valves until 1".

Application:

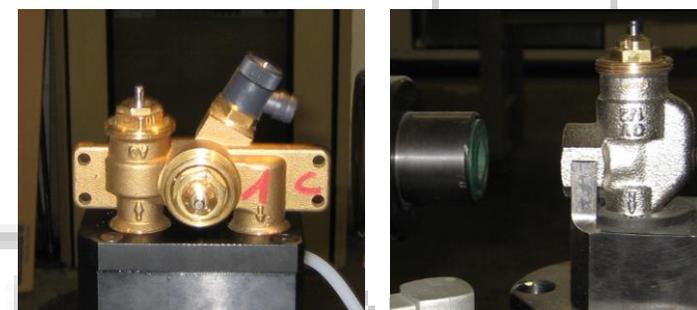
- Lean production.
- Prototypes.
- Repairing area.

Can perform several different tests as:

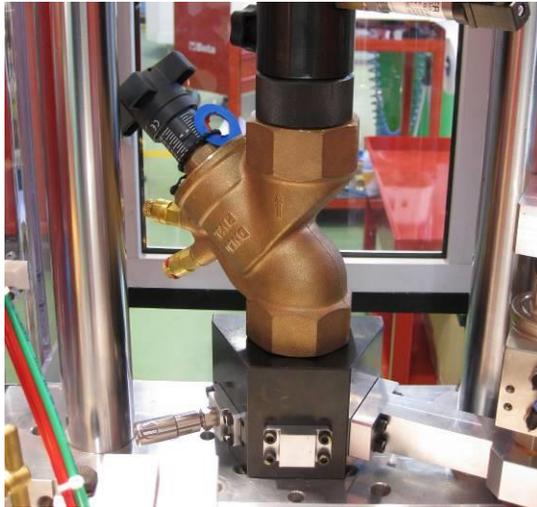
- Leak test until 26 bar, on a maximum size of 1 inch.
- Safety system to ensure operator safety in the testing area

The testing program can drive the operator by the monitor to perform a testing sequence with manual operation in a sequence with the other automatic testing operation.

All the testing data are stored in the machine CNC to allow the traceability of the production and quality.



Machine can be used for different parts just changing the fixtures.



Quick changing system, less than 2 minutes.



USB and NETWORK.



Code scanner



Smartphone

INDUSTRY 4.0



- Process traceability through bar or Q code (Data-matrix).
- Automatic upload of the working programs
- Continuous storage of the process data.
- Remote service available on all the machine components.
- Production and quality report directly on your smartphone.

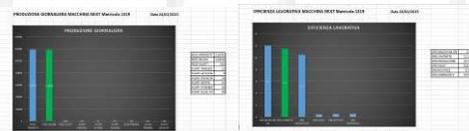
## OPERATOR INTERFACE (HMI)

All the machine working steps, are displayed on the monitor with a clear description and a picture or a sketch that show the area of the machine where an eventually fault happened. Several languages available and upgradeable.



## EFFICIENCY

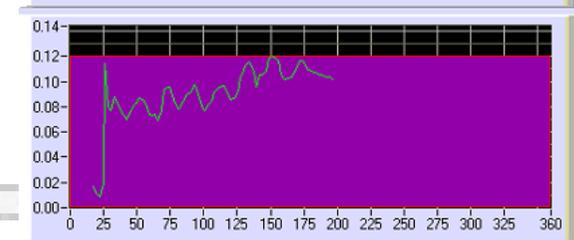
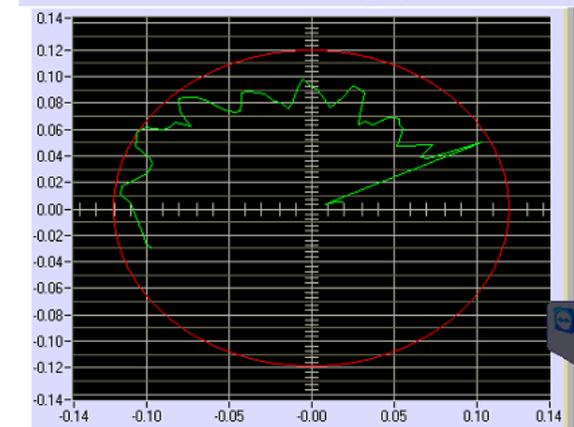
Sometimes may happen that also the most performing machine don't give the forecasted production of the day, the understanding of what happened is not easy because it involves also the people who work on the machine, like who have to refill the feeder or who have to fix and reset the machine after a fault.



A couple of tables show to the operator the production shared from pieces right and pieces wrong with the causality of the wrong with its own totals. The second table shows the total of the hours of the machine on line, the total of the work hours, and the dead hours with the causality.



Real time Leak test graphic



If equipped with an actuator the machine can read the opening torque.