TB-1P

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Leak testing machine with pallet, suitable for:

- Lean production.
- Prototypes.
- Repairing area.

Can do several different test, as:

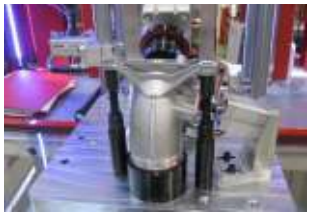
- External Leak test until 6.9 bar.
- By-pass leak test.
- Flow test until 1500 liters/hour.
- Presence of threads.
- Presence of holes or chamfers.
- Marking single or progressive.

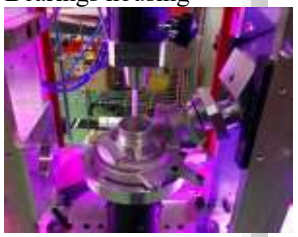
The testing program can be done directly from the operator in the machine HMI or off line, 60 program steps can be linked to create a testing sequence without knowing any program language, the testing sequence may include also some manual operations driven from the machien CNC.
Six (6) locking cilinders (on teh pallet) can be driven by the program, easy and reliable..
All the testing data are stored in the machine CNC in order to allow the traceability of the production and quality. The machine calibration is managed form a dedicated program that will store the calibration data in a separate file.


Filter body


Oil reservoir


Bearings housing

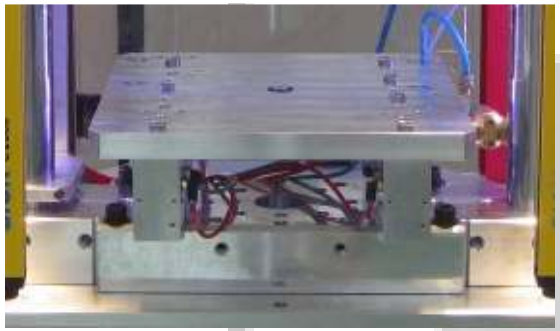

Square Connector


Pump body


Alloy rim (go-kart)


Steering housing.

All the pieces above can be tested in the same machine just changing the pallet and uploading the testing program.



Pallet base with front O-ring to allow the pallet changeover without the need to unplug any pipes.

Interchangeable pallets tailor made for every pieces.

USB and NETWORK.

Code 39

1 2 3 4 5 6 7 8 9 0 2

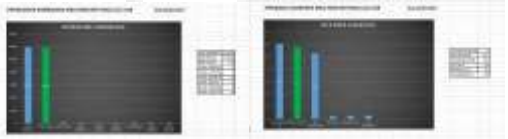
Process traceability trough, Barcode, Qcode/Datamatrix (optional).

OPERATOR INTERFACE (HMI)

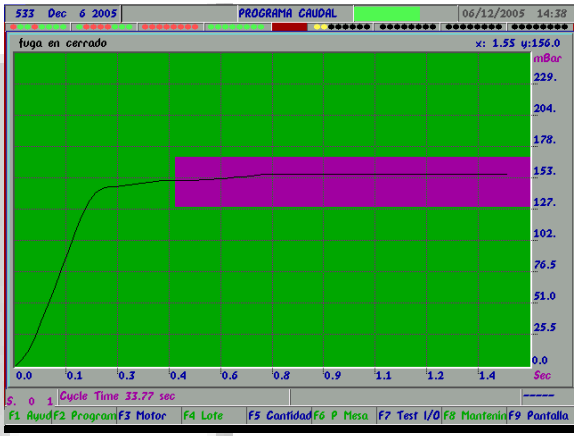
All the machine working steps, are displayed on the monitor with a clear description and a picture or a sketch that show the area of the machine where an eventually fault happened.
Several languages available and upgradeable.

EFFICIENCY

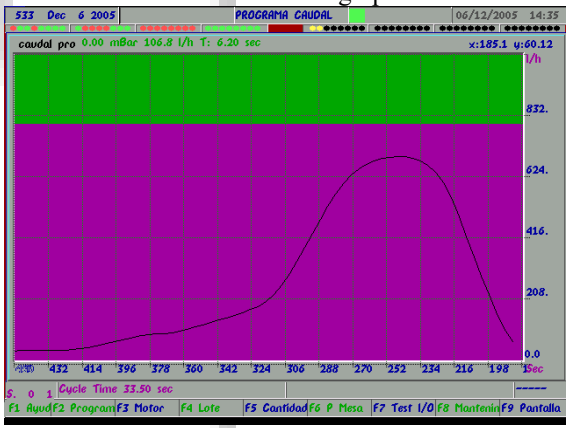
Sometime may happen that also the most performing machine don't give the forecasted production of the day, the understand of what happened is not easy because involve also the people who work on the machine, like who have to refill the feeder or who have to fix and reset the machine after a fault.



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 show the total of the hours of the machine on line, the total of the work hours, and the dead hours with the causality.



Leak test real time graphics.



Flow test real time graphics.