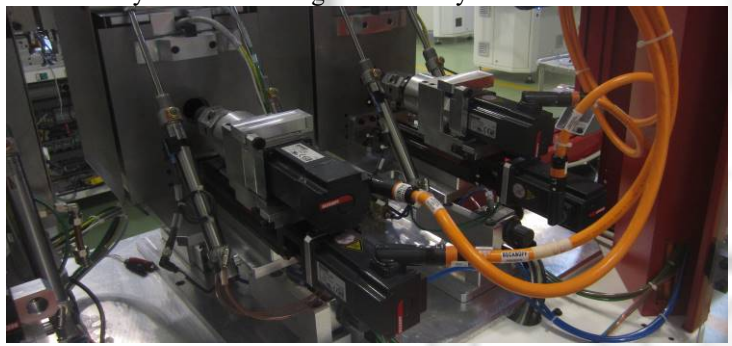
TB4-LAB

BEØCOM S.r.L Via Sardegna 1
Villa Carcina 25069 BS ITALY
Tel. +39 030 8982917 Fax. +39 030 8981074
P.IVA 02634300988
www.twinsnet.com

Strong frame easy to move, assisted changeover driven from the machine HMI, testing specification in the monitor.
Electronic system with led light for an easy maintenance.



Two CNC axes for each station to turn and pulse, also in helical progression. One temperature programmable oven for each station.

Life testing machine with controlled oven, tailor made for:

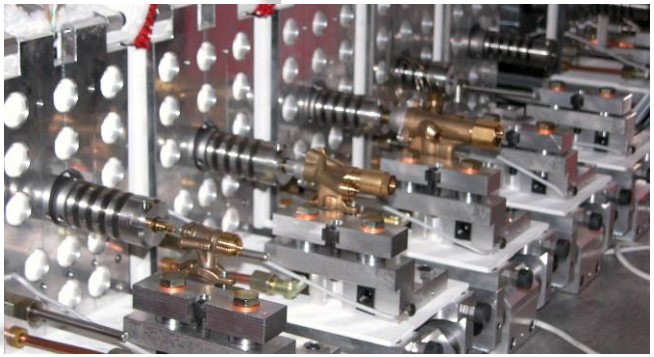
- R&D Laboratory.
- Statistical control.

Can do several different tests, as:

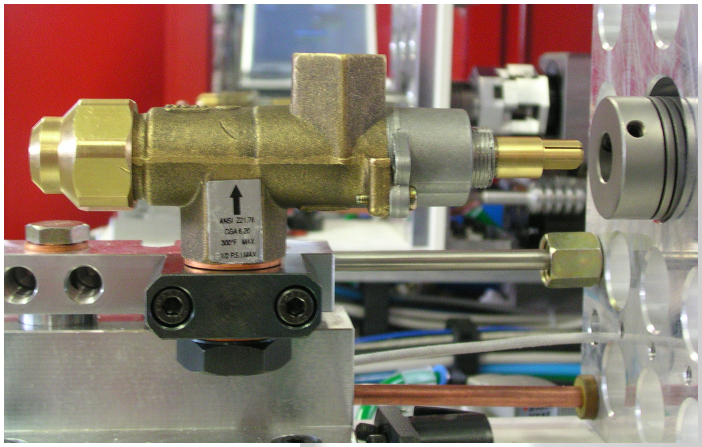
- Leak test until 400 mbar.
- Flow test until 7.500 liters/hour.
- Turning Torque Vs. Angle.
- Magnet engage fatigue
- Turning leakage.
- Flow angle control.
- Magnet engage test.
- Programmable t° gradient.

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 machine CNC.
All the testing data are stored in the machine CNC as CSV file, to allow the traceability of the production and quality (X&R Gauss, etc).
The machine calibration is managed form a dedicated program that will store the calibration data in a separate file.

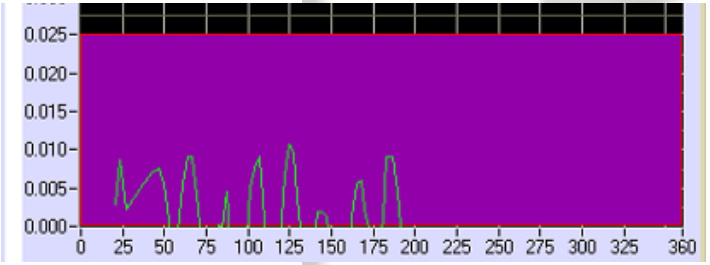
Available until 10 stations with local oven and program, can test also 10 different models.



All the valves above can be tested in the same machine
Just changing the adapters and uploading the program.



Floating joint by bearings to don't overcharge the spindle and cone.



Torque peaks during the life test.

USB and NETWORK.

Code Reader

Smart info

Code 39

1 2 3 4 5 6 7 8 9 0 2

INDUSTRY 4.0

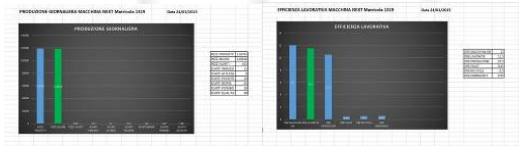
Process traceability trough, Barcode, Qcode/Datamatrix (optional).

OPERATOR INTERFACE (HMI)

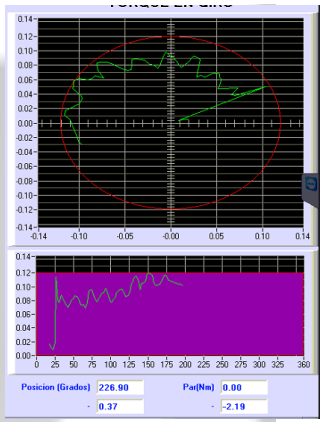
All the machine working steps, are displayed on the monitor with a clear description and a picture or a sketch that show the area of the machine where an eventually fault happened.
Several languages available and upgradeable.

EFFICIENCY

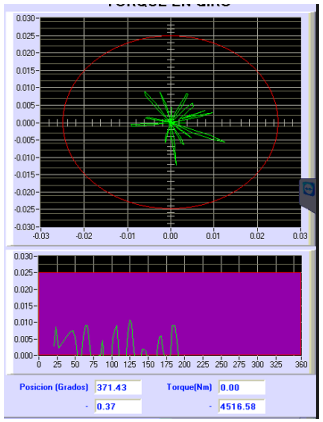
Sometime may happen that also the most performing machine don't give the forecasted production of the day, the understand of what happened is not easy because involve also the people who work on the machine, like who have to refill the feeder or who have to fix and reset the machine after a fault.



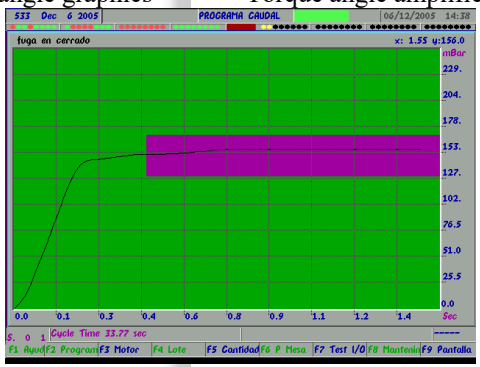
A couple of tables show to the operator the production shared from pieces right and pieces wrong with the causality of the wrong with its own totals. The second table show the total of the hours of the machine on line, the total of the work hours, and the dead hours with the causality.



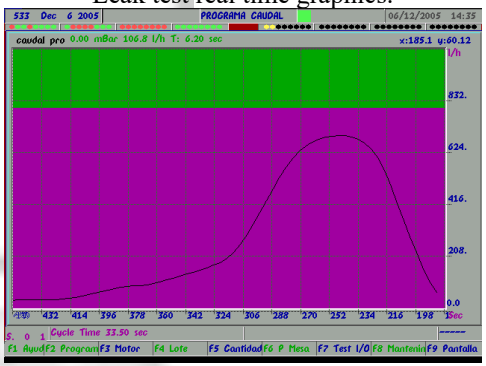
Torque angle graphics



Torque angle amplified



Leak test real time graphics.



Flow angle test real time graphics.