# TBR8-OR

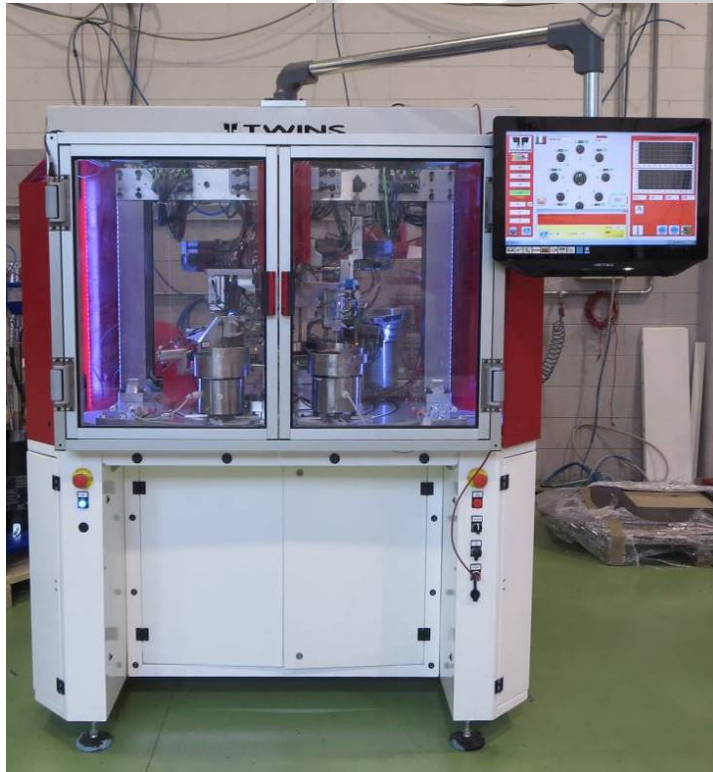**BEØCOM S.r.L Via Sardegna 1**
**Villa Carcina 25069 BS ITALY**
**Tel. +39 030 8982917  Fax. +39 030 8981074**
**P.IVA 02634300988**
**www.twinsnet.com**

Assembly machine for o-ring assembly and inspection.

**Key points:**

- Production rate 3.600 Part/hour
- CNC turntable.
- Any O-ring stress, assembly through a "bell", prevent the stretch excess.
- Electronic control of assembly.
- Vision system for final inspection.
- Can be equipped for different models
- Quick changeover
- 23" touch HMI.

The working sequence can be programmed directly in the machine CNC, including also manually operations driven by the CNC.

The working time of the units, can be also programmed as part of the sequence.
All the production data are continuously saved in the machine memory or directly in your network, in order to allow a real time process traceability.
The working time and the stop or setup time are also saved in order to allow an efficiency survey. Much more than a simple OEE Calibration data are stored too, in a separate file and managed form a dedicated scheduler.

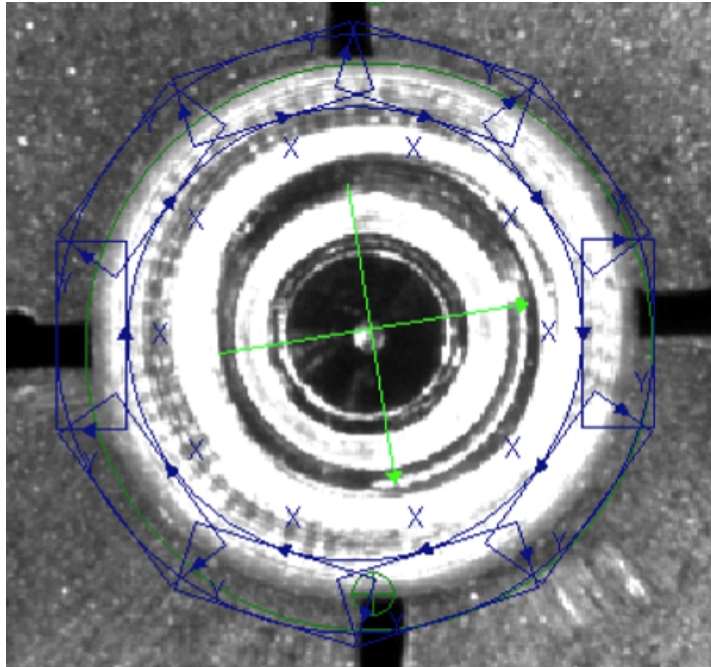Strong and stable steel frame, not aluminum profiles.

Double O ring assembly

Single O ring assembly

Small diameter O rings (Ø4 Ø5 and Ø3)

Front O-ring assembly

Camera control of O ring integrity.


USB and NETWORK.


Code Reader


Smart info


Code 39
1 2 3 4 5 6 7 8 9 0 2


INDUSTRY **4.0**

Process traceabilty trough bar or Q code (Datamatrix) .
Automatic upload of the working programs
Continuous storage of the process data.
Remote service available on all the machine components.

## MACHINE DIAGNOSTIC

All the machine fault are immediately displayed on the monitor with a clear description and a picture or a sketch that show the area of the machine where the fault happened.



## 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.
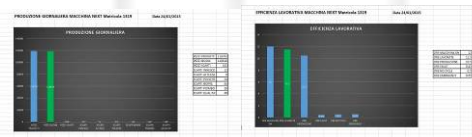


A couple of tables show to the operator the production shared from pieces right and pieces wrong with the causality of the wrong with its own totals. The second table show the total of the hours of the machine on line, the total of the work hours, and the dead hours with the causality.


Internal O-ring assembly.
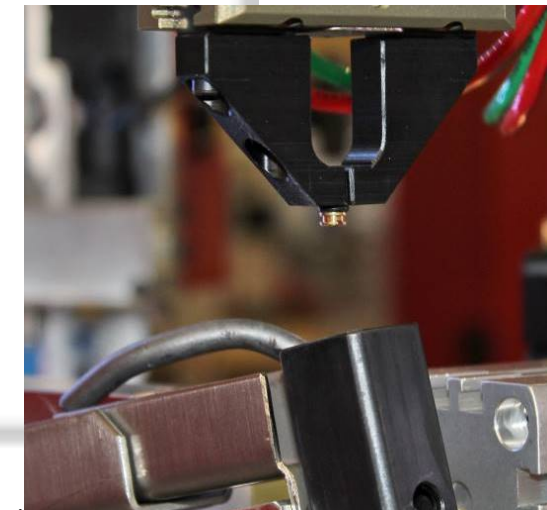

Unloading of good and bad parts on two separate exits.