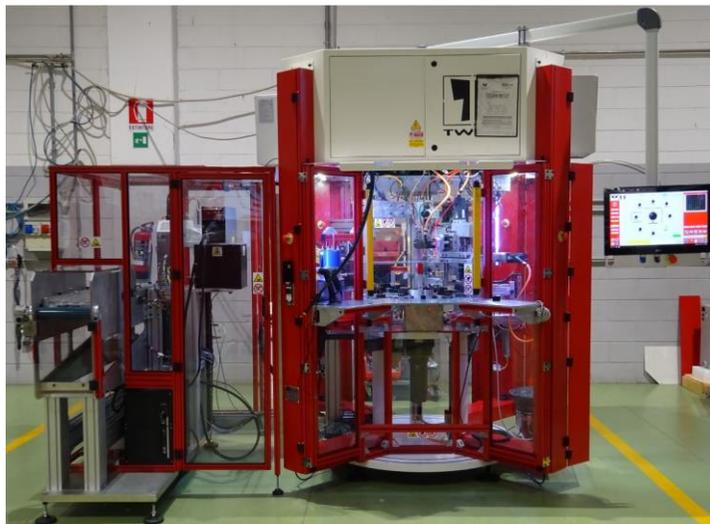
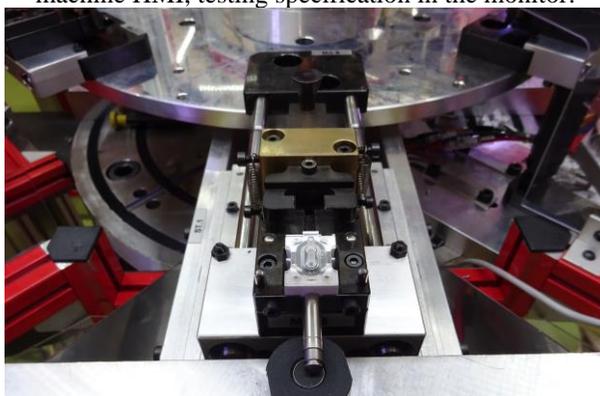


# TR12

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Strong frame easy to move, assisted changeover driven from the machine HMI, testing specification in the monitor.



Assembly and testing machine for  
Blood analysis valve,

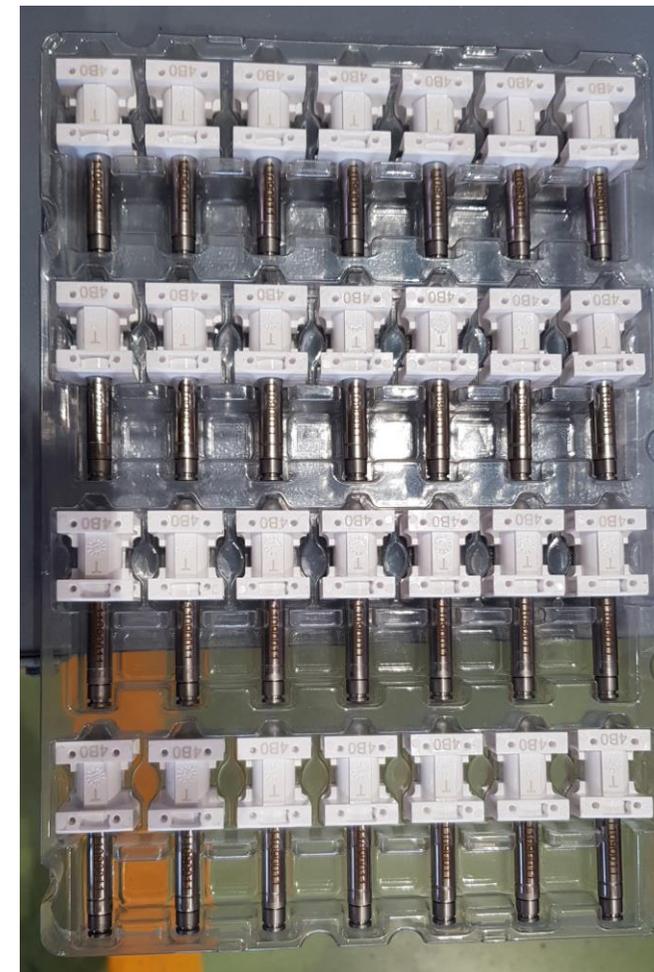
Standard functions:

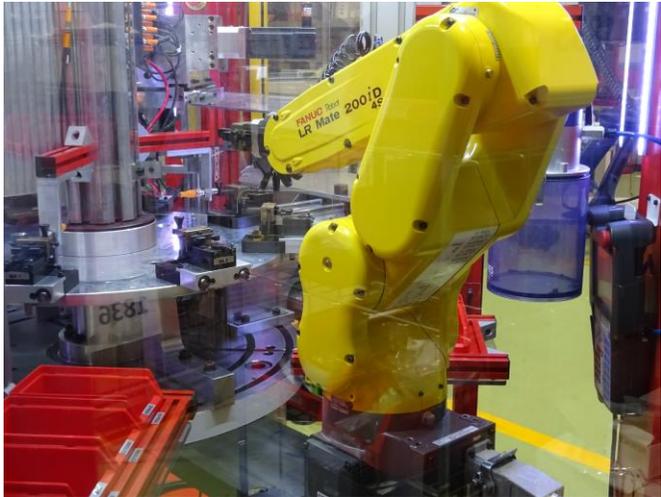
- Close and clean assembly area.
- CNC Screw drive, 0.5Nm
- Leak, flow, functional test.
- Proportional opening.
- Vision control of defects
- Pick and placing.
- Laser marking code
- Packing in blisters

The fixture slides out from the table to allow the best ergonomics in the valve preassembly.

The working 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 program language skills; the working sequence may include also some manual operations driven from the machine CNC.

All the process data are stored in the machine CNC in order to allow the traceability of the production and quality. The machine calibration is managed from a dedicated program that will store the calibration data in a separate file.





Robot for visual inspection and place the different defects in dedicated boxes.

### 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.



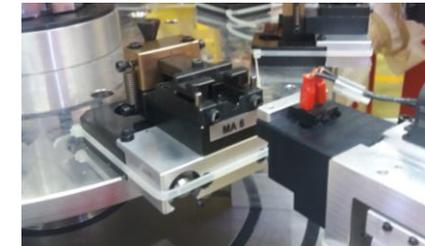
3 CNC axes screwdriver, allow to change the valve pitch and the number of screw.



Service solenoid to test the functions of the valve.

### EFFICIENCY

Sometime may happen that also the most performing machine don't give the forecasted production of the day, 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.



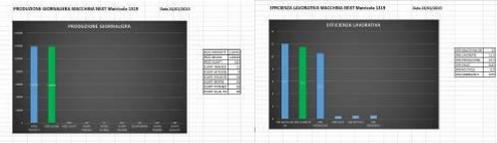
Automatic inspection of visual defects



USB and NETWORK. Code Reader Smart info



Process traceability trough, Barcode, Q-code/Datamatrix (optional).



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 online, the total of the work hours, and the dead hours with the quality.

