TR36 BVAA

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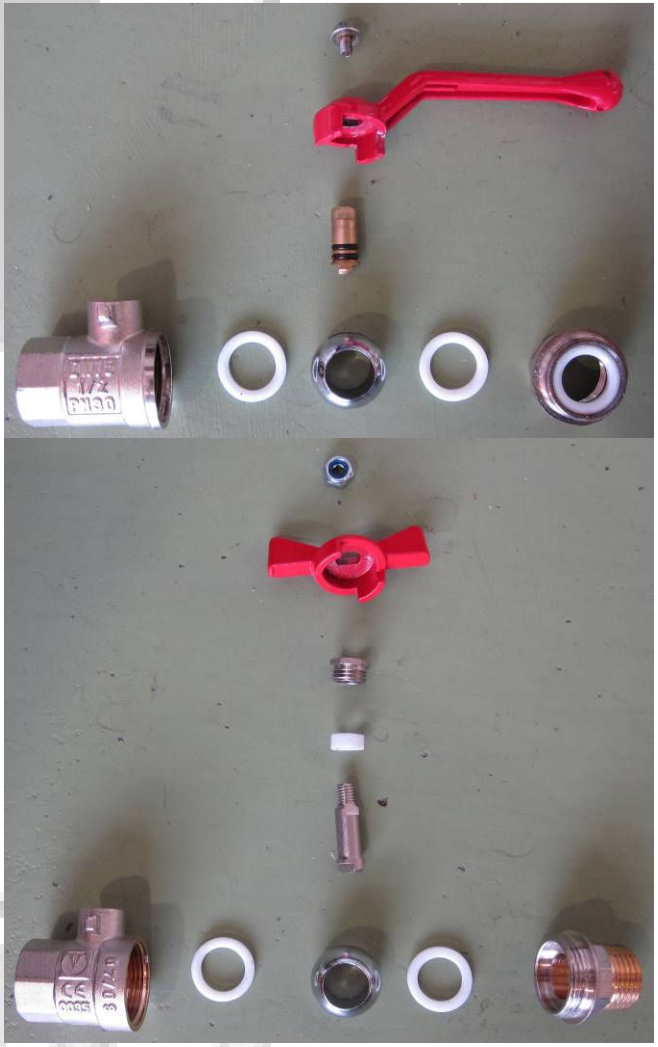
Strong and stable machine frame full automatic loading.

Assembly and testing machine for Ball Valves, mass production, automatic loading.

- Production rate 1000-1200 part/hour.
- Half worker, just to fill the feeders.
- Full automatic assembly.
- Full automatic leak/torque testing.
- CNC torque screw driving.
- CNC spindle inserting in body.
- Electronic controlled greasing.
- Electronic control of assembly.
- Quick changeover.
- 23” touch HMI multi languages.
- Assisted setup by image sequences.

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 a 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.



Full automatic assembly, quick change over.

CNC leak and polymerization system, using the main disk.
High reliability and high precision, leak rate until 20cc/h

USB and NETWORK.

Code Reader

Smart info

Code 39

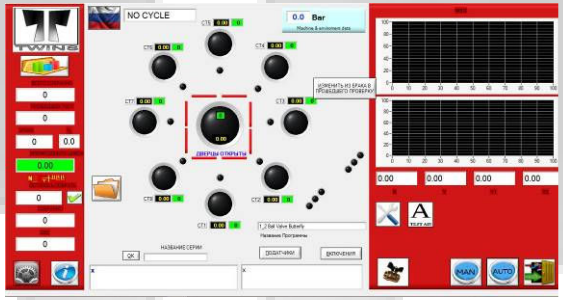
1 2 3 4 5 6 7 8 9 0 2

INDUSTRY 4.0

Process traceability trough 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.

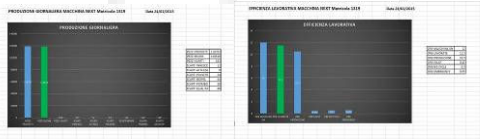
MACHINE HMI & DIAGNOSTIC

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.

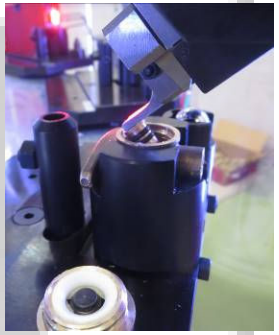


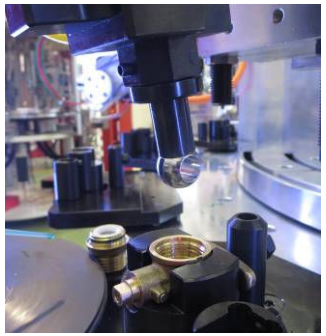
EFFICIENCY

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.

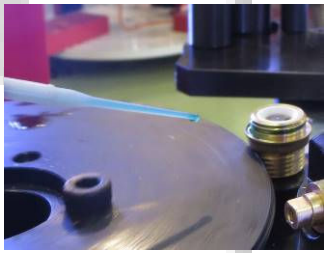


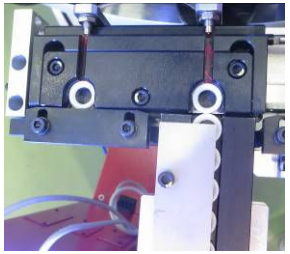
A couple of tables show to the operator the production shared from pieces right and pieces wrong with the causality of the wrong with its own totals. The second table show the total of the hours of the machine on line, the total of the work hours, and the dead hours with the causality.



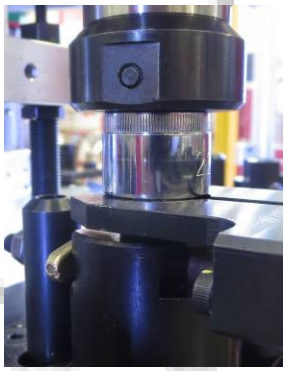


Spindle CNC inserting in the body
Ball loading with preventing shock inserting.





Loctite dispensing all around the fitting
Gaskets automatic loading and orienteering.



CNC screw driving with torque and height control.
Automatic unloading with separate exit good/bad.

