

For assembly and testing solutions



Advantages

2T Automazioni develops automatic assembly and testing systems to ensure product quality and guarantee process control, in compliance with the client's production specifications.

Applications are designed in close collaboration with those responsible for "tests and testing" in the manufacturing industry, to execute operation and test procedure controls for the quality standards required by the market. Units configurable foresee integrating stations with the operator, those that are fully automated or a combination of automation and operator presence.

We guarantee a 360° service going from mechanical design to electric/electronic engineering development, on to the choice and installation of control instrumentation and system start up with the possibility of technical assistance, maintenance and periodical calibration.

To complete the assembly and testing solutions offered, we create traceability software for production components and lots, which interfaces with the plant management system.

New generation testing systems, developed with the client's quality managers, can offer immediately visible advantages from many points of view:

- checking quality tests
- high productivity
- database filing and elimination of paper reports
- simple to use and fast set-up thanks to touch screen
- preventive maintenance management.

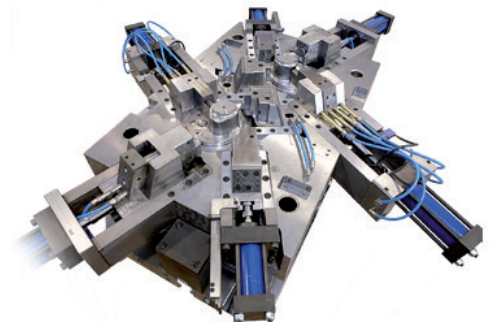
Types of solution

- Assembling unit on rotating table or on pallet
- Loaders and inserting tools
- Drilling/ screwing/ punching units
- Marking units
- Tests and testing of sub-systems and components
- Integration with quality control and packaging
- SCARA Robot



Types of control

- Control of presence with artificial vision (recognition of pieces/shape/position/defectiveness...)
- Electric and electronic controls (measuring resistance / overvoltage / continuity / dielectric rigidity / power absorbed...)
- Physical controls (pressure / capacity / humidity / temperature / noise / vibration / speed / torque...)
- Size controls
- Control of operation and process



Sectors

The main industrial sectors involved are:

- Furniture and furnishings
- Electro-mechanical
- Automotive
- Home appliances
- Footwear



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