

Industrial automation



Instruments for measuring physical quantities



A perfect blend of
Italian artisanship and
cutting-edge technology



Noise and vibrations



It is a **multifunctional measurement system** designed for each type of test, related to vibration and noise, configurable according to the needs of the customer. It can operate in laboratory environment and in on line production test. Especially designed for bearings test, it can also be applied in others vibrations tester solutions.

Force/displacement control



There are different **types of equipment**, with the same reliability, **for 100% testing on production lines**. Controlled operations are those that require force or force and displacement measurements: pressing, riveting, bending, etc. The devices work with a high-speed data acquisition and are therefore particularly effective in the control of very rapid cycles where you need to simultaneously manage the force from the press and the displacement within the cycle time.




We have structured a complete line for all products . We have not made a single instrument with universal characteristics, with many parameters to be set for all possible cases, but we chose to offer an instrument that meets the specific application, with the goal to achieve:

1 Easy integration into the test system, both in manual stations and in automatic stations

2 Easy operation and maintenance for the end customer




Leak control



Leak test means a process to check the pneumatic tightness of a particular. Control the process, store the results for the statistics of data production and quality control directly in line: our equipments, combined with a PC, update the data every cycle and these can be displayed on the monitor, analyzed and printed.

Dimensional control



Dimensional control systems acquire data using instruments connected to different types of transducer and can interface with industrial PC that elaborate measures.

The systems are suited to the production environment and can be implemented, according to the needs to handle transducers and digital input/output signals.

The transducers are chosen according to the application, based on criteria that take account of available space, measuring range, accuracy. Dimensional tests carried out by our instruments are: concentricity, diameter, axial and radial backlash, top dead centre, flickering, thickness, classes division, class correspondence check.

Torque control



To **control the torque** are used static or rotating torquemeters, depending on the application required. Control the process, store the results for production data statistics and quality control directly in line: our equipments update the data during each cycle and, when combined with a PC, the data can be displayed on the monitor, analyzed and printed.

Transducers



Based on the needs of our customers we are able to provide every type of transducer, from the most common, normally in stock, to particular transducers.

- ✓ **Transducers can be used universally** for dimensional measuring.
- ✓ **Transducers and force sensors** for measuring of static and dynamic loads in tension and compression. The sensors and force transducers are available in different versions, in order of size, scale and accuracy class.
- ✓ **Torque transducers** for the measurement of static or dynamic torsions. Together with torque transducers are also available effective coupling joints.
- ✓ **Pressure transducers** normally used for leak testing.

Presses



Electric Cylinder for press with electronic control

- ✓ **Linear movement** with roller screws for high load applications
- ✓ No lubrication, **no maintenance**
- ✓ **Lifetime 15 times greater** than similar systems with ball screws
- ✓ Can be used in any **assembling direction**

The range of electric cylinders is the result of know-how acquired in over 30 years of experience. The Italian answer to the best that can be found for pressing systems, with software created for their use in industrial environments without any specific programming knowledge.



Energy saving



Environmental impact reduction



Reprogramming



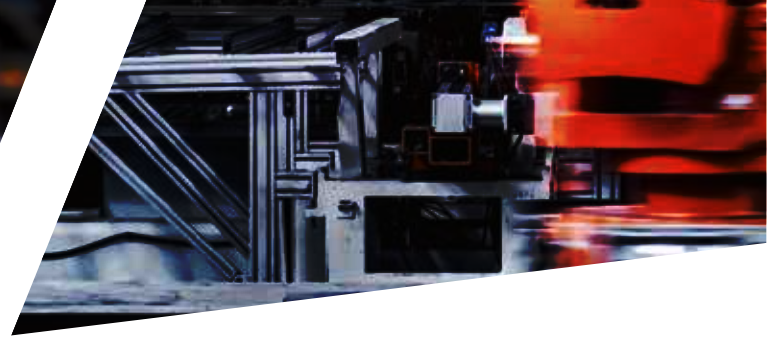
Cycle times reduction



100% testing



Low cost



Electrical design

We use **E-CAD systems like EPLAN and SPAC**. The used symbolism is in accordance with the standard DIN EN 60617 in force and applied regulations IEC 61347. Our equipment is always delivered with electrical documentation in Italian or English (other languages on request).

PLC programs

MAEET 2 has solid experience in **PLC programming** of the following brands:



with networks of fieldbus such as: Profibus, Profinet, Ethercat, Industrial Ethernet, Canbus, Asi, Interbus, Device Net. With the development tools on the market we are able to realize both small machines and complex assembly and testing lines with relative archive of production data, through SCADA software. Using new technologies currently on the market we are able to provide remote assistance and remote control services, either for a simple supervision or for remote changes.

SCADA systems design

We select the hardware from industrial and non industrial products of the best brands, in agreement with the customer and according to the type of application. We develop the software using special SCADA packages or alternatively Microsoft Visual Basic. These two solutions are equivalent from the point of view of the reliability and quality of the product. **The SCADA normally used are: A.B. RSVIEW32, Siemens WINCC, Wonderware INTOUCH, Iconix, EWon, Microsoft VISUAL BASIC.**

Construction electrical cabinets

MAEET 2 provides his expertise for the realization of the **following panels**: control panels, control panels and automation operator machines, on board control cabinet, BT electrical panel, PLC control panels, panels and prewired cable and on board panels for industrial applications, panels for testing machines and realization of cables and cabling on behalf of third parties.

Vision systems integration

MAEET 2 is **integrator vision systems**: we operate also in artificial vision area realizing stations or control applications according to customer requirements. Our support starts from laboratory testing, up to the post-sale assistance, to improve or add additional controls.

About us

MAEET 2 S.r.l. is located in breathtaking Torino, one of Italy's major industrial engines, the home of Fiat, royal palaces, wine, and chocolatiers. **With a perfect blend of Italian artisanship and cutting-edge technology, since 1978 we proudly offer products and services that are entirely customized according to the requirements of our customers.** From conceptualization to the final product we guarantee quality, production savings, and loyalty. MAEET 2 is always in step with the times and with the new requirements: we became integrators of vision systems and then we acquired the new corporate branch Kelmer, offering systems for measuring the quality of the process that takes place on an assembly line and / or testing. Staff MAEET 2 is always available to support the customer in case of trouble, until a replacement quickly of the non-functional. Every day we strive to grow our skills and our determination to overcome obstacles to achieve the goal. In this way we believe we can continually renovate our products and contribute to the quality of work and, at the same time, the quality of our life.



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Purchase support



Technical assistance



Certification and periodic calibration of measuring chain



Training courses



Customer service non stop