



Autosonic™ mini EVO²

Semi-automatic ultrasonic testing system for wide size range gas cylinders

Range of application

Autosonic™ mini EVO² is a semi-automatic ultrasonic testing system for the periodic inspection of seamless gas pressure vessels with small dimensions made of steel or aluminum.

Test Capacity	80 - 200.000 cylinder/year
Diameter	50-140 mm*
Lengths	150-1200 mm*

**System can be adapted to other dimensions*

System description

Die **Autosonic™** mini EVO² has been developed to test seamless steel and aluminium gas cylinders of small diameter and medium length. The testing equipment is made of stainless material and aluminium to allow for the longest possible lifetime and to keep maintenance costs low. **Autosonic™** mini EVO² has one test station. The operator manually loads a cylinder and activates the test cycle. The test head then automatically moves over the rotating container and performs the test.

The loading of heavier cylinders is possible also with lifting devices as the protection roof on the tops is mounted on sliders to allow an easier loading/unloading procedure.

The adjustable rollers offer a wide range of cylinders sizes to be inspected.



Autosonic™ mini EVO²

Ultrasonic sensors check the entire cylindrical part of the container, including the transition area to the base and shoulder, for longitudinal and transverse defects.

Test head

All products in the **Autosonic™** family use the same probe concept. The probe consists of a water chamber, a centring device and integrated ultrasonic sensors.



Autosonic™ mini EVO² test head

Software

The system is controlled by a PLC with a touch screen user interface. The inspection is carried out using the UT Work ultrasonic software. The container data input, the display of the ultrasonic signals and their evaluation as well as the storage of the test are carried out via this software. The software manages all ultrasonic settings. Tests and calibrations are saved automatically. Data traceability is guaranteed at all times. The control and the computer are equipped with a module for remote access for maintenance and support work.

Contact

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