



inline **Autosonic**™

Automated Ultrasonic Testing Device for Production Lines

Range of Application

The **Autosonic**™ inline is a system has been especially designed to be integrated into industrial gas cylinders production lines of manufacturing plants.

Test Capacity	100 – 300,000 cyl/year 50 – 150 cyl/hour
Volume	2 – 180 L*
Diameter	80 – 406 mm*
Lengths	400 – 2000 mm

*system can be adapted to other dimensions.

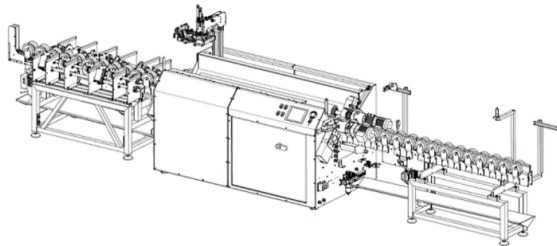
Unit description

The **Autosonic**™ inline has been developed to perform the initial test during the manufacture of a cylinder or shells and grants a high throughput.



Autosonic™ inline

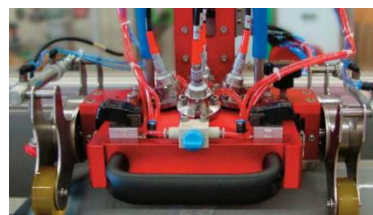
Autosonic™ inline has a very high automation level in order to cope with the continuous process within the production cycle. It can be equipped or refitted with an additional test head to increase the test capacity. This device is constructed using only stainless materials in order to grant a long lifetime and to keep maintenance costs low around the ultrasonic testing environment.



Autosonic™ inline

Test Head

All the products of the **Autosonic**™ family use the same scanning head. This is composed by a water chamber, a pneumatic centering device and integrated ultrasonic transducers.



Autosonic™ test head



Autosonic™ double test head

Test Electronic / Software

The system is controlled by a PLC, which can be operated through a touch screen module. The data handling is flexible and can be adapted to the customer's requirements. This system offers an automatic start of the test process. Moreover, the examined cylinders are automatically sorted (tested/rejected). Every test and calibration is recorded together with its settings. In this way, the traceability of the test results is fully ensured.

Available Options

- Wall thickness measurement of the cylinder base
- Double test head for faster inspection

Contact

Advanced NDT - **Autosonic**™
Swiss Safety Center AG
Richtistrasse 15, CH-8304 Wallisellen
D +41 44 877 62 08
autosonic@safetycenter.ch / www.autosonic.ch