



Autosonic™ *flow*

Fully Automated Ultrasonic Testing Device

Range of Application

The **Autosonic™** flow is a fully automatic system. It has been specially designed for the vertical production lines for which short cycle times and high productivity rate is required. This system meets all the requirements set for the inspection and examination of gas cylinders in production lines and periodical re-qualification facilities. The machine layout allows an easy integration into a new or pre-existing process line.

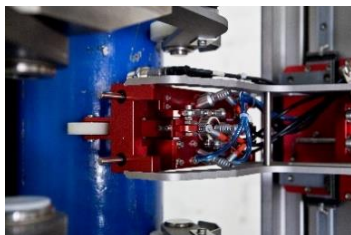
Test Capacity	50 – 200,000 cyl/year 30 – 60 cyl/hour
Volume	4 – 80 L
Diameter	120 – 267 mm
Length	400 – 2000 mm



Autosonic™ flow

Unit Description

The device is constructed using only stainless materials in order to grant a long lifetime and to keep maintenance costs low. The test head is wear-resistant as water is used as a coupling agent. Thanks to an integrated centring device, even cylinders with shape deviations can be examined without any problem. The sensing system is aligned to the cylinder.



Autosonic™ flow scanning head

Autosonic™ flow has a very high automation level. No refitting is required in the event of cylinder type change in the production line: the machine is able to load the proper calibration piece according to the cylinder type to be tested, carries out the calibration and continues the inspection without any interruption; this in a fully automated environment.



Carousel for calibration pieces

Test Electronic / Software

The system is controlled by a PLC with a user interface. The signals are displayed in the cylinder testing software *UT Work*. The software runs on a standard computer with an ergonomically flat screen and is adapted especially for testing gas cylinders with our system. The software manages all UT parameters and it is possible to prepare specific setups for several cylinder configurations. Every test and calibration is automatically recorded together with its settings. The traceability of the test results is ensured.

Available Options

- Wall thickness measurement of the cylinder base
- Water circulation system
- Eddy Current inspection for the bottle neck

Contact

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