

Measuring Arm System (MA-Z)

For production of large diameter-pipes
Efficient production-start based on early measuring values

The SoniCon SL / MA-Z (measuring arm system) enables a faster and therefore more economical start-up process for the production of thick-walled large-diameter pipes. With the SoniCon-SL / MA-Z, ultrasonic sensors take over the hitherto difficult and time-consuming measuring of the wall thickness distribution. By means of pneumatics these are delivered to the respective pipe diameter. The advantage for the system operator: He can immediately center the pipe on the tool.

The measuring system is integrated in the system. The first possible measuring point are measuring arms fixed to the calibration sleeve. Retrofitting in the vacuum tank and for existing calibration sleeves is also possible. The usual seal replacement is eliminated.

With a measuring range for pipe diameters of 125 mm upwards, the SoniCon-SL / MA-Z covers a wide range of applications. It is characterized by easy handling in practice. After the line start, the ultrasonic sensors are pneumatically attached to the tube and the measurement of the high-resolution ultrasound electronics begins. For immediate evaluation of the measurement, the results are graphically displayed on a 15-inch touchscreen. Here we measured as standard with 8 or 16 sensors.

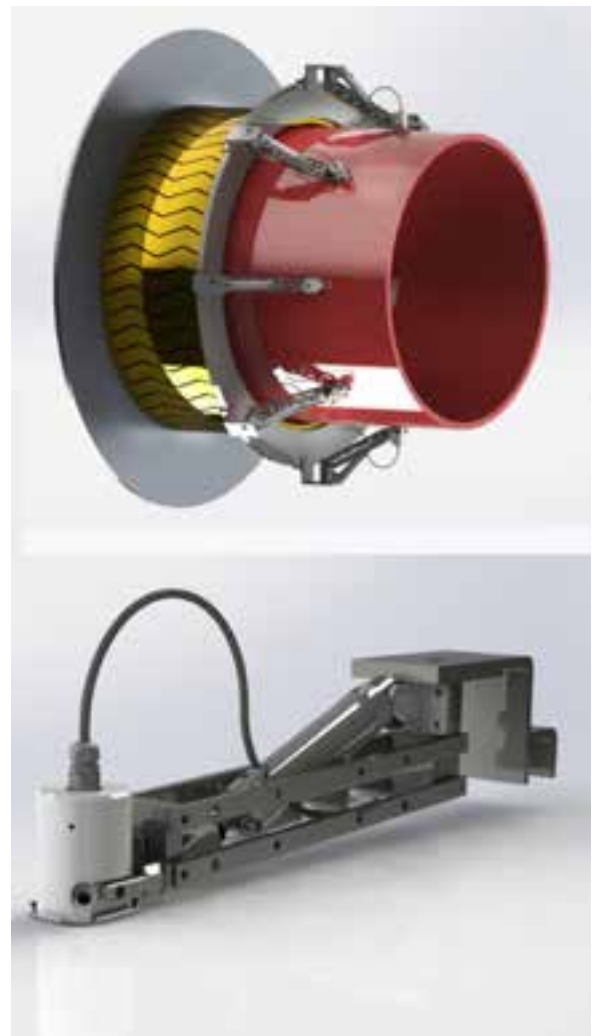
Possible differences in the wall thickness distribution are immediately recognizable. The result of the early control: A tube can be measured shortly after the calibration sleeve, centered and starting scrap can be significantly reduced. The SoniCon-SL / MA-Z will pay for itself within a few months.

Your Advantages in short:

- Faster retraction of the line at Production start
- Timest measurement
- Wide measuring range: 125 mm - ∞ mm
- No seal change
- Use at different measuring positions
- Resource-saving and fast amortization

Options

- Self-sufficient water supply, not in a vacuum
- Safety shutdown on water, compressed air or voltage drop



SoniCon MA-S 250 bis MA-S 3000 – Measuring System

For geometric measurement as a mobile version.

-Technical data-

TYP	MA-S 250	MA-S 400	MA-S 500	MA-S 630	MA-S 800	MA-S 1000	MA-S 1200	MA-S 1600	MA-S 2000	MA-S 2500	MA-S 3000
D1, min. pipe Ø	50	63	63	63	160	315	315	630	800	800	800
D1, max. pipe Ø	250	400	500	630	800	1000	1200	1600	2000	2500	3000
number of sensors	8	8	8	8	8	8	8	8	8	8	8

Subject to technical changes

SoniCon MA-Z 250 bis MA-Z 3000 – Measuring System

For fixed installation for vacuum tank.

-Technical data-

TYP	MA-Z 250	MA-Z 400	MA-Z 500	MA-Z 630	MA-Z 800	MA-Z 1000	MA-Z 1200	MA-Z 1600	MA-Z 2000	MA-Z 2500	MA-Z 3000
D1, min. pipe Ø	50	63	63	63	160	315	315	630	800	800	800
D1, max. pipe Ø	250	400	500	630	800	1000	1200	1600	2000	2500	3000

Subject to technical changes