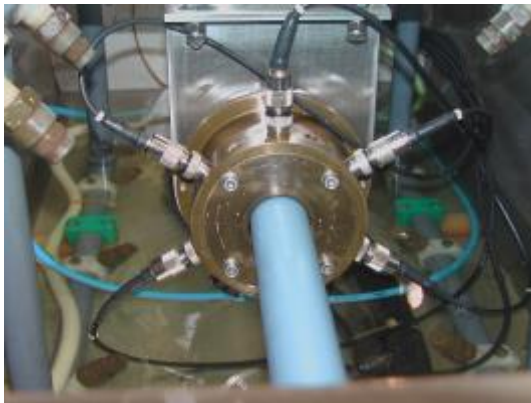# SoniCon – SL / MRST
Measuring – Inspection – Monitoring
with ultrasonic in hose and tube extrusion

SoniCon SL / MRST is a static ultrasonic measuring, inspection and regulation system for control of extruded hoses and tubes made of plastic.

The monitoring and measuring of plastic hoses and tubes is done with ultrasonic. The sensors are fixed in the working position.

For the sealing and guiding of various products a set of sealing discs is necessary for each dimension.

Wall thickness regulation and vacuum controller can be retrofitted and integrated also in double design for vacuum tanks with two chambers.

We have retrofitting solutions for a considerable part of existing lines.

SoniCon SL / MRST is a multi applicable ultrasonic measuring and inspection system to control and regulate the production of hoses and tubes (up to Ø 110mm). By means of a newly developed electronics and and adapted sensors it is possible to record and measure wall thicknesses up to minium 0,2 mm.

The measuring mechanics is integrated in an existing vacuum / cooling or water tank.
The measuring is done with static arranged ultrasonic sensors. Measuring parameters are: wall thickness, excentricity, inner diameter, outer diameter and ovality.

Special features

▪ **Compact**

▪ **Parts with water contact are red bronze or stain less steel**

▪ **Short changeover time**

▪ **No moving elements**

▪ **Wear and maintenance free**

▪ **Easy integration of wall thickness and vacuum controller**

▪ **Excellent cost/performance ratio**

SoniCon – SL / MRR - MRST

- Technical data -

The measuring chamber type MRR/MRST is flange mounted at the back side of the vacuum resp. cooling tank. As an alternative the installation inside the water tank is also possible.

For the sealing and guiding of various products a set of sealings is necessary. The sensors are fixed in the working position.

TYP	MRR-32 MRST-32	MRR-63 MRST-63	MRR-90 MRST-90	MRR-110 MRST-110
D1, min. pipe Ø	5	16	25	40
D1, max. pipe Ø	32	63	90	110
Number of sensors	4 / 6	4 / 6 /8	4 / 6 / 8	4 / 6 / 8

Subject to technical changes