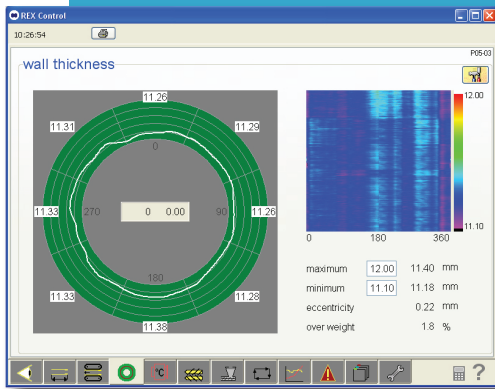


Scanners

Rollepaal offers a full program of solutions to establish and control the quality of pipe during production. Scanners are instruments used to capture the pipe dimensions. Rollepaal scanners provide a short loop feedback system, which helps to bring the production lines into specification and keep them there.



The scanners measure the pipe wall thickness by means of ultrasonic waves. A transducer generates a high frequency wave that propagates into the pipe wall. This wave passes through the pipe to the inner side, which then reflects the signal back to the sensor. The actual wave travel time is the measurement for the pipe wall thickness. The signal is visible on the touch-screen display, allowing operators to optimize settings themselves with a user-friendly operator interface. Scanners are available as stand-alone units or can be integrated into an existing system.

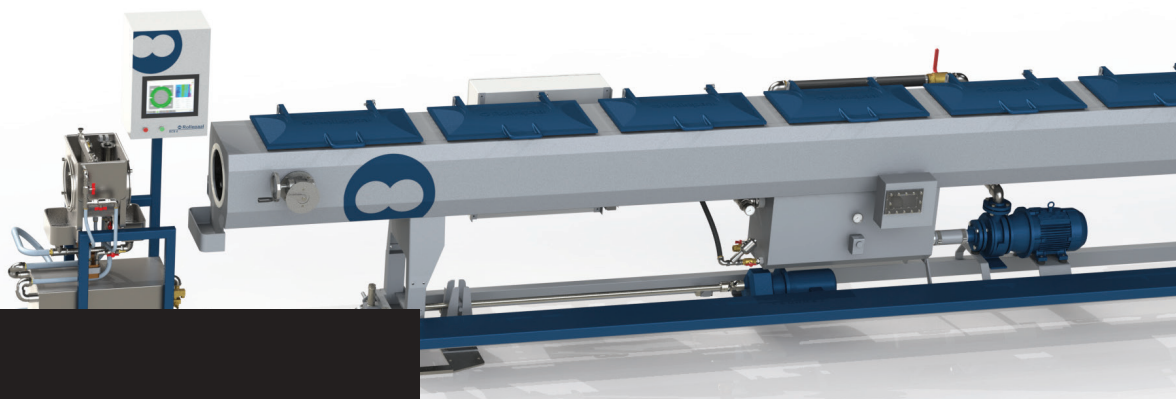
Rollepaal offers two types of scanners to measure wall thickness: rotating scanners and compact static scanners.

Rollepaal Rotating Scanners - RRS

The RRS scanner is a rotating scanner, which registers 360 points in the pipe circumference. The scanner alternately rotates clockwise and counter clockwise. The sensor is touching the pipe, making the system insensitive to pipe surface conditions. The sensor is self-wiping. It requires a film of water between the sensor and pipe. The scanner is equipped with a touch-screen display, which shows the shape of the actual ultrasound echo signal making the system simple to use.

Benefits of Rollepaal Rotating Scanners:

- Continuous in-line wall thickness measurement
- Self-adapting to the pipe diameter, no diameter related parts
- Manual and automatic calibration capabilities



Scanners

Rollepaal Compact Scanners - RCS

The RCS is a compact static scanner. The RCS consists of 4, 8 or 16 static ultrasound transducers measuring wall thickness and diameter.



Benefits of Rollepaal Compact Scanners:

- Continuous in-line wall thickness and outside diameter measurement
- Excellent return on investment
- Reduction of start-up time and scrap
- Minimum amount of space required with multiple line interchangeability
- Suitable for solid wall PVC, PE, PP, CPVC and PVC-O pipes
- Optionally available in dual set-up

Product range

Ø = inch	1/2	1	2	2	4	5	6	8	9	10	12	13	16	18	20	24	32	48	60
Ø = mm	10	20	50	63	110	125	160	200	225	250	315	325	400	450	500	630	800	1200	1600
RRS 8																			
RRS 16																			
RRS 24																			
RRS 30																			
RRS 48																			
RRS 60																			
RCS 2																			
RCS 4																			
RCS 8																			
RCS 12																			
RCS 16																			

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 PIPE EXTRUSION