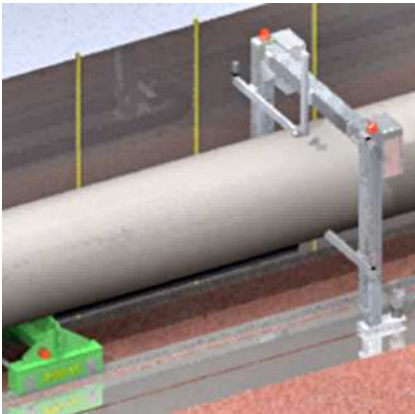


DIMENSIONAL CONTROL SYSTEM for PIPES

DETAILS



Description:

This plant is an innovative dimensional test system (SDC). The system consists of a series of custom laser personalized internally in BMB which are the base of the whole plant. Several components and accessories could be integrated to perform other measurements (laser scanning, welding profile measurement, ultrasounds controls, induced current, ecc..)

Technical details:

- measurements possible:
- **Pipe weight:** Tolerance Measurement +/- 0.5%
 - **Length:** appreciation +/-1mm (on 4 points)
 - **Chamfer weldings:** detection of 4 points. It must be measure the angles and the height of the

witness

- **perpendicularity** of the side: tolerance + / - 0.5 on perpendicular plane to the tube's axis
- **diameters:** every 30° (4 or 6 diameters), min. pitch 1 mt; tolerance +/- 0,1
- **Local roundness:** every 20° local round control
- **circumference and linearity:** at least on 3 planes (one of which contains the welding)
- **External side welding seam:** tolerance +/- 0,1 on welding seam height.
- **Internal view** with the ability to record video.

The plant responds to the characteristics requested by the client and high technologies are used to guarantee an excellent and stable result during the time

TECHNICAL DETAILS:			
Min. Pipe Ø	400 mm	Max. Length	25000 mm
Max. Pipe Ø	2300 mm	Max. Thickness	150 mm
Min. Length	1500mm	Min. Thickness	25 mm