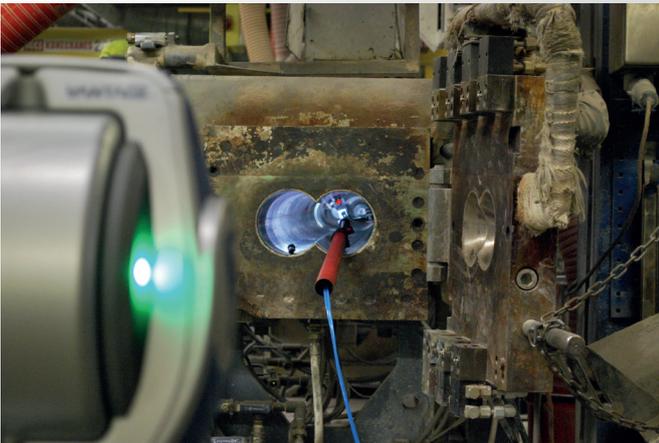


TubeCheck -Tube measurement with high accuracy

TubeCheck is offered as a measurement service by MLT where the customer wants to perform measurement inside a tube or cylinder. The purpose is to detect wear or control diameter, straightness and roundness. It has been very difficult in the past to perform a thorough measurement inside eg. extruders. Therefore, MLT is continuously expanding its measurement services and is now presenting the latest addition



Tubecheck is a measuring tool used in conjunction with our advanced laser tracker.

The laser tracker is an accurate and portable coordinate measurement system that sends off a laser beam to a measuring ball containing a reflector prism, a so-called SMR. The prism returns the laser beam and a 3D coordinate point can be saved.

The measuring possibilities are almost unlimited as long as you have an unobstructed view with the measuring ball. At present, MLT can measure pipes down to $\text{Ø}70\text{mm}$ and there is no upper diameter limit

Easy to understand reports

All measurement data are saved and presented in clear and visual reports with desired nominal dimensions and tolerances. The measurement points can also be clarified with color deviations and bars. The reports are delivered in PDF format. If the client wants to look around themselves and zoom to look at the tube's measurement points and deviations, the measurement file can be sent with the included free viewer.



Flexible measurement

TubeCheck gives you a complete internal measurement where you get diameters, roundness and position on the diameter which can easily be converted into straightness of the pipe. The customer chooses which area in the pipe itself and what extent is of interest to measure. Whether it's the whole tube with eg. a measuring interval of 200mm or just a section of 500mm with a measuring range of 10mm.

The diameter measurement can be performed between 3-1000 measuring points / diameter. There is also one possibility to scan an axial line in the direction of the pipe with the desired length and number of measuring points.

More information?

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