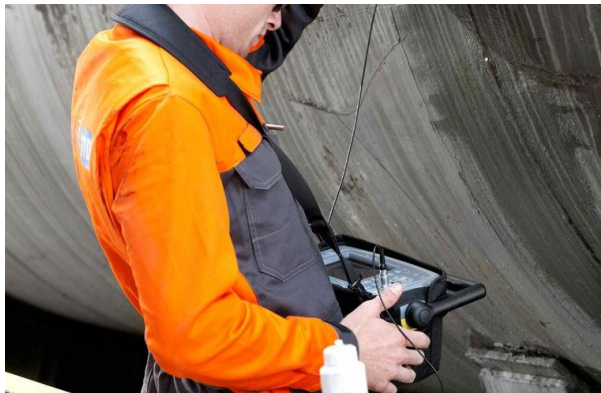


Manual UT Thickness Measurements

Manual ultrasonic thickness measurements is a technique using high-frequency sound energy to conduct examinations and obtain thickness measurements. A straight beam is introduced into the test object perpendicular to the surface and round-trip time is measured. Quantifiable information can be gathered for detection of localised or general wall-thickness changes.



THE Applus+ SOLUTION

Applus+ has developed proven and tested procedures for ultrasonic thickness inspections in accordance with applicable codes. Our technicians are rigorously trained and assessed, both internally and externally, on data acquisition and interpretation.

Target customers

The technique of taking manual ultrasonic thickness measurements has been employed on a variety of equipment and across a vast range of fields including:

- Upstream
- Midstream
- Downstream
- Transport pipelines
- Refining
- New construction
- Power
- Aerospace
- Nuclear
- Offshore
- Maintenance

Thickness measurements are essential to maintaining the mechanical integrity of components in all industries.

Key customer benefits

Ultrasonic thickness measurements provide crucial, quantifiable information that can be used to keep track of component integrity. Data can be gathered quickly and easily with small, portable equipment. The technique does not require access to both sides of the specimen and can penetrate through many different types of coatings and composites.