

NDTS CONVENTIONAL INSPECTION TECHNOLOGY

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Ultrasonics MUT

Ultrasonic Testing (UT)

NDTS Provides Manual (Conventional) Ultrasonic Testing and Automated Ultrasonic Testing. Both techniques transmit ultrasound through a material and receive the reflected echoes from the back wall or from any defects.

This makes it possible to locate discontinuities in a material or weld. During Manual Ultrasonic Testing the operator measures the material thickness by reading from the screen

UT uses high frequency ultrasonic waves to detect surface breaking and internal imperfections, measure material thickness and determine acceptance or rejection of a test object based on a reference code or standard.

Our UT techniques provide instant results, and are sensitive to both surface and subsurface discontinuities throughout the material. UT is capable of detecting imperfections throughout the entire material thickness, and may be used with access to only one surface.

