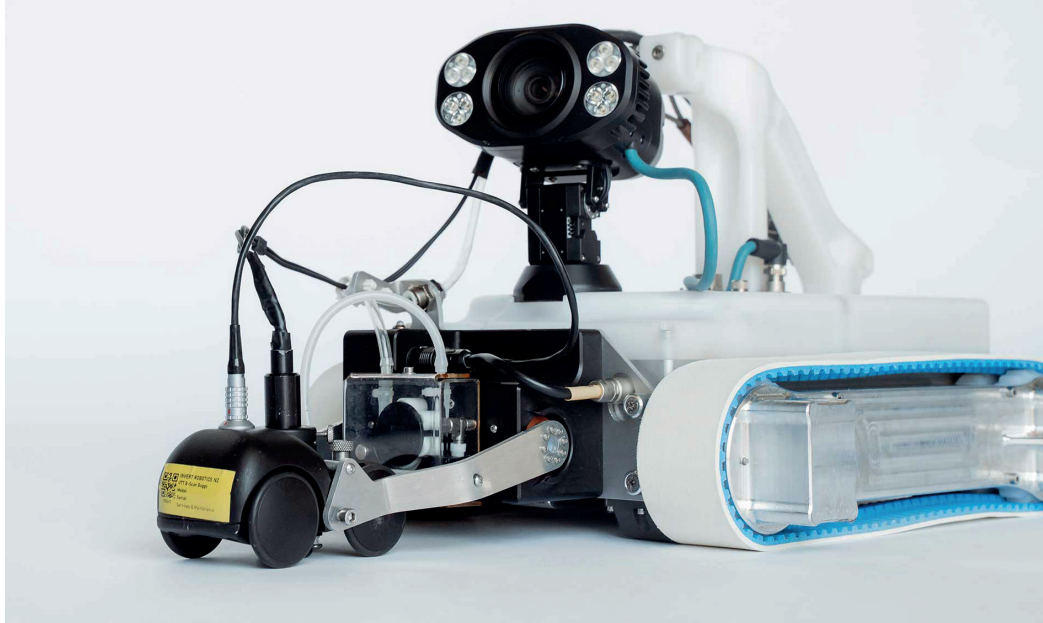




ULTRASONIC TESTING PRODUCT SHEET

Ultrasonic testing



Make the most of our robot with the Ultrasonic Thickness Tester (UTT) Payload. This high-end tool can be mounted in front of the robot and will take you less than five minutes to install or remove.

Our UTT payload consists of a probe transducer, encoder buggy, lifting mechanism, and an onboard couplant pump. It has never been so easy to achieve an accurate thickness measurement.

The probe and encoder buggy can be raised between measurements to minimize wear and tear of the transducer. The water (or water/gel mix) is routed to the probe head to link the ultrasonic transmission. These cables are combined with our UTT umbilical cable.

Equipment and procedure standards are our top priority. That's why we use a high-end Olympus D790-SM probe as a standard transducer. Its dual element pitch-catch probe creates a V-shaped sound path. One element acts as sender and the second as receiver in the test material. This improves

near surface resolution and is ideal for remaining wall thickness measurements. Even on curved or rough surfaces. The probe is perpendicular to the surface due to the attitude of the encoder buggy.





ULTRASONIC TESTING PRODUCT SHEET

The Olympus 38DL Plus Thickness Gauge is, not without reason, one of the most utilized gauges in the industry. Many qualified personnel will be able to perform wall thickness measurements with it. We rely on the adequate UT knowledge/experience skills of both you and our personnel. Additional training may be required to operate the payload on the robot.

Prefer another probe? Please let us know your personal business needs. We can always discuss the integration of any probe of your choice.

The UTT Payload, Olympus 38DL Plus, and UTT umbilical are packed in light-weight (< 20kg/45lbs) Pelican cases. That's how it readily can be transported as air freight to minimise costs and increase speed.

Request a demo or contact your local Invert Robotics sales representative for additional information. With seven offices around the globe, Invert Robotics can quickly respond to your inspection needs.

Scanner
Designed to carry Olympus b-scan buggy
Localised cupulant flow control for regulated fluid delivery
Ethernet and 12 Volt supply via robot payload connector
Dual Servo driven Raise / lower with dynamic spring action
Precision distance measurement via b-scan buggy encoder
Automated linear scan functionality
Automated report logging
A-scan data available (via Olympus 38dl+)

