



MaggUT™

Inuktun's MaggUT™ is a rugged, portable crawler designed to perform visual and ultrasonic thickness inspections of steel storage tanks, pressure vessels and large diameter pipes.

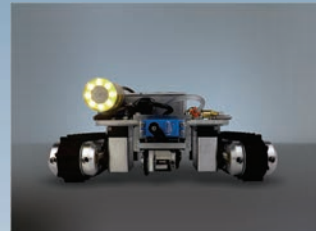
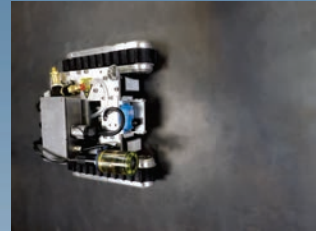
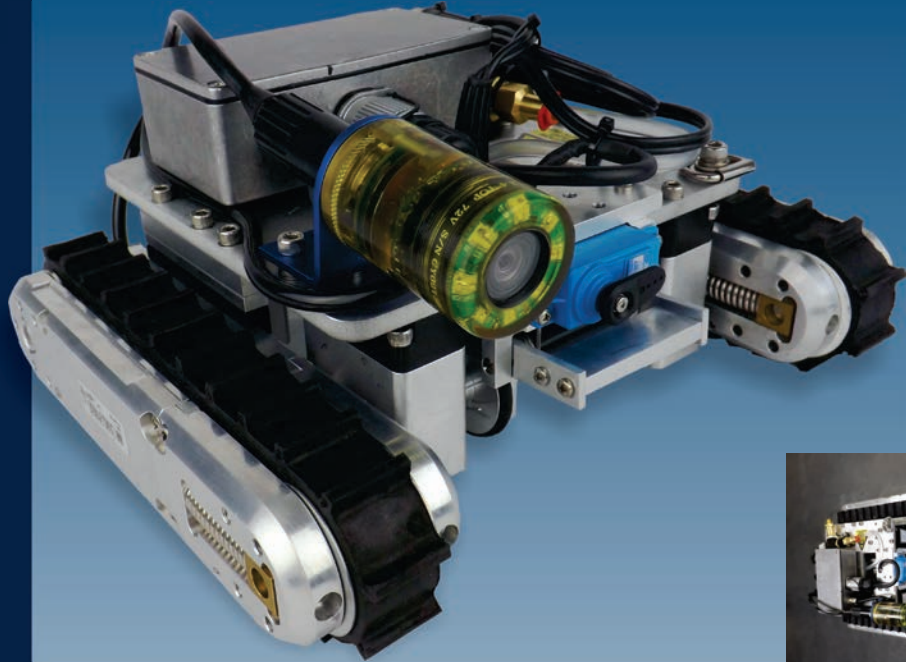
With the built-in Olympus™ UT probe and the appropriate thickness gage, the system can carry out either A-Scan or high resolution B-Scan operations quickly and easily.*

Portable and affordable, the MaggUT™ offers huge cost savings over manual inspection, especially when using rope access or scaffolding.

And, because it is designed with Inuktun's Industrial Multi-Mission Modular (IM3) technology it can be easily adapted for a wide range of applications and environments.



**Contact Inuktun to discuss integration with any other UT or NDT equipment.*



ULTRASONIC THICKNESS GAUGE

MAGGUT™

CONTROLLER SYSTEM

PROBE

SPECIFICATIONS

VEHICLE

Crawler Tracks	2x 4000 series Microtracs™
Track Material	Aluminum
Chassis	Flat, aluminum
Magnet	Rare earth Neodymium array (N52)
Adhesion Force	10 Kg / 22 lb (on 10mm / 3/8 in steel)
Payload Capacity	4,5 Kg / 10 lb
Dimensions (L x W x H)	245 mm x 275 mm x 128 mm 9 7/8 in x 10 7/8 in x 5 in
Weight	6,2 kg / 14 lb
Ingress Protection	IP65

STANDARD PROBE

Model	Olympus™ D790
Technology	Ultrasonic Transducer
Scan Type	Supports A-scan and B-scan
Minimum Resolution	0.13 mm (B-scan with suitable gage)
Mount Location	Center or front
Option	Integration of customer supplied probe

TETHER

Maximum Length	30 m / 100 ft
Multi-Cable Bundle	Couplant, probe, vehicle and encoder

CAMERA

Model	Crystal Cam®
Lighting	Variable intensity LED
Option	Spectrum 45® (pan and tilt)

CONTROL SYSTEM

Couplant Delivery	DC pump w variable valve
Power	115/230 VAC 50/60 Hz
Operator Controls	Joystick or GU
Controller Type	Portable interface box for laptop or PC control

OPERATING ENVIRONMENT

Temperature	0-40 °C / 32-104 °F
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APPLICATIONS AND BENEFITS

Oil Rigs

- Significant cost advantage over manual inspection
- Pontoon, column and riser inspections
- Storage tank wall thickness measurements *from the outside* without tank draining, cleaning or human entry

Tanks and Vessels

- No requirement for human entry - no risk to life
- Inspect vessels in hazardous and confined accessibility conditions
- In-service tank inspection
- A or B scan UT thickness measurements
- Ideal for API 653 tank inspectors

Infrastructure

- Inspection of steel framework on buildings, bridges and support structures
- Visual, UT and custom sensor inspection in areas not accessible by humans
- Inspect high steel walls and interstitial spaces

Pipelines

- Internal and external examination
- Pipe support inspection



MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

INDUSTRIAL WATERPROOF
CAMERA SYSTEMS