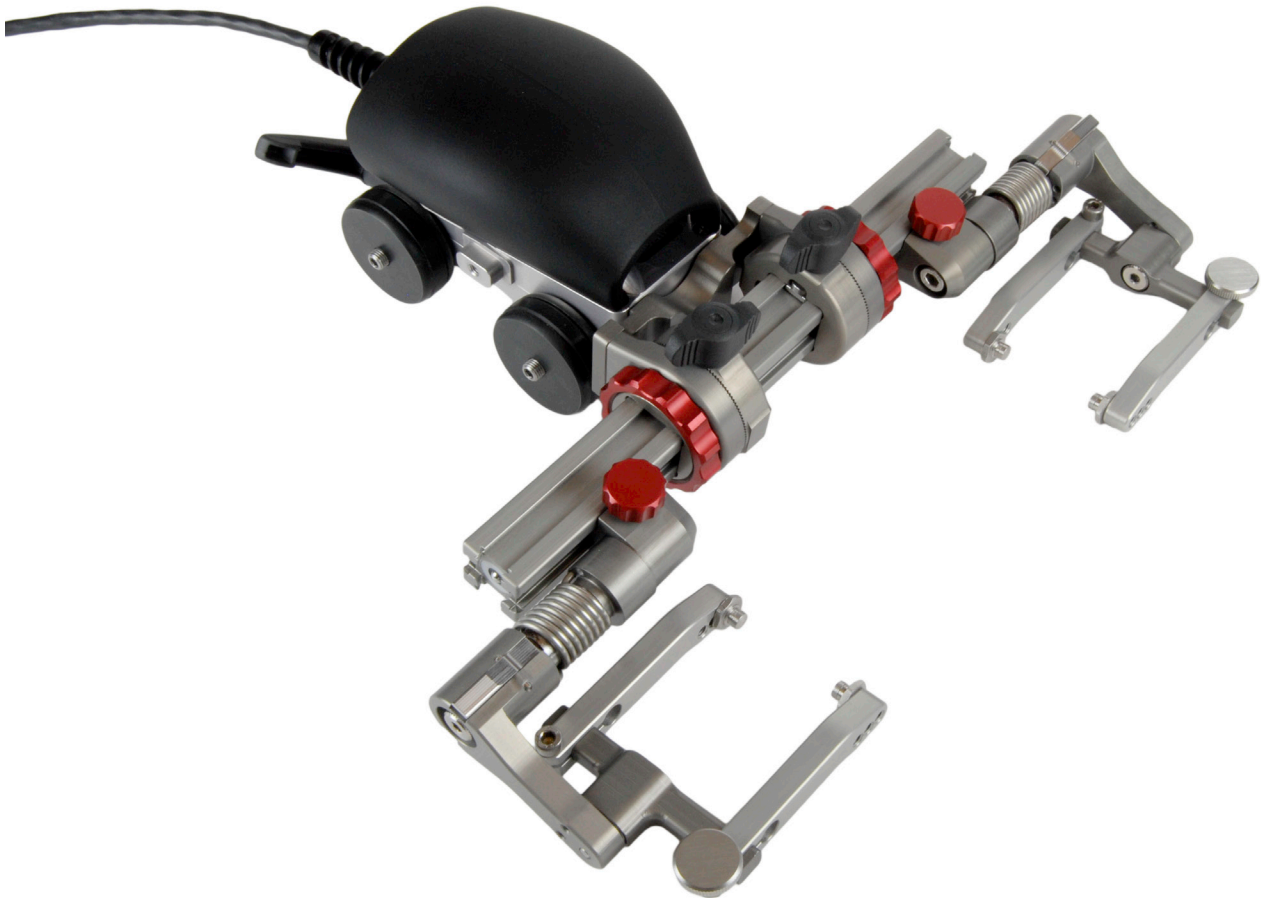


MICROBE

Manual Magnetic Scanner



JIREH
design • create • innovate

Manual and Motorized
Scanners for NDT

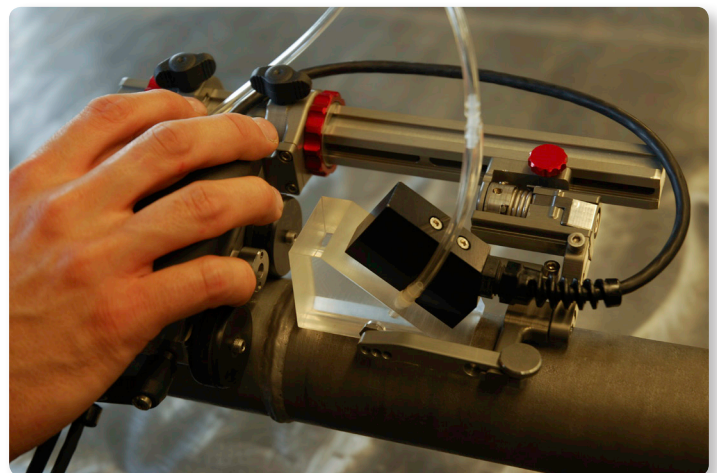
The **Microbe** is a small hand held scanner with built in encoder and magnetic wheels. It is designed to translate probes around ferrous piping and vessels. Its small and ergonomic design makes it the perfect tool for encoding probe position. The Microbe is completely configurable for both phased array and traditional UT with single or multiple probes.

Features

- **Modular Design:** Utilizing standard components the Microbe can be quickly adapted to many different configuration needs. The Microbe scanner is fully compatible with the Rotix scanner and Stix system
- **Molded umbilical:** The microbe is available with a rugged umbilical with power, communication, 4 coax conductors and a water line molded into a durable polyurethane jacket. Customization is available to ensure compatibility with various probes and instruments.
- **Brake system:** A brake is provided to lock the location of the scanner in a required position.
- **Wheels:** The magnetic wheels are coated with urethane to reduce the effects of foreign debris obstructing the rolling of the scanner. To further increase the flexibility of the system, the wheels are also stackable to increase the magnetic attraction if required.
- **Removable handle:** The microbe has a toolless removable cover allowing easy access to protected connections and also to provide cable management.
- **Built in Encoder:** An encoder is integrated into the body of the microbe. The encoder output is fully compatible with all standard instruments.
- **Environmental Sealing:** The microbe is sealed using o-ring gaskets and seals to protect against the penetration of contaminants into the unit.

Specifications

- **Pipe Range, Circumferential:** 4.4cm (1.50") O.D. to flat
- **Pipe Range, Longitudinal:** 7.6cm (3.0") to flat
- **Scanner Dimensions:** 7.5 x 8.4 x 11.4cm (2.95" x 3.30" x 4.50") (Microbe base only).
- **Weight:** 960grams (2.1 lbs) (Microbe base only).
- **Encoder Resolution:** 19.2 steps/mm
- **Probe Holding Capacity:** 1 - 4
- **Umbilical Length:** 5m
- **Inspection Surface:** Ferrous
- **Environmental Sealing:** The microbe is sealed using o-ring gaskets and seals to protect against the penetration of contaminants into the unit.



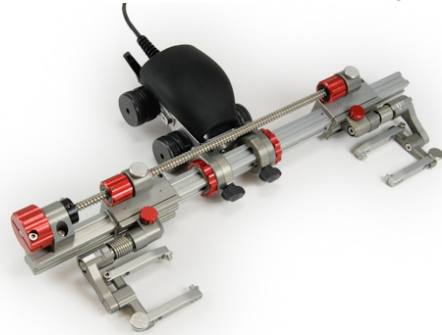
Standard Kits



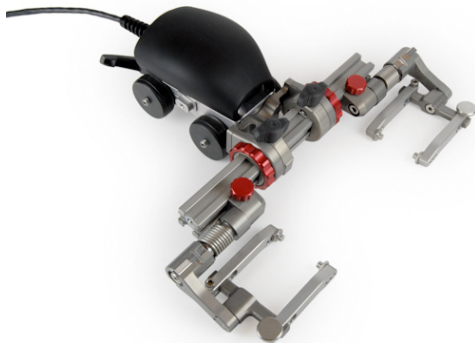
BTG005 Single Probe Holder



BTG008 2 Probes with Y Axis Adjustment



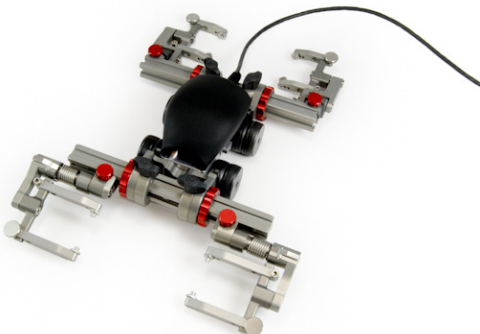
BTG006 2 Probes on Swivel Bar



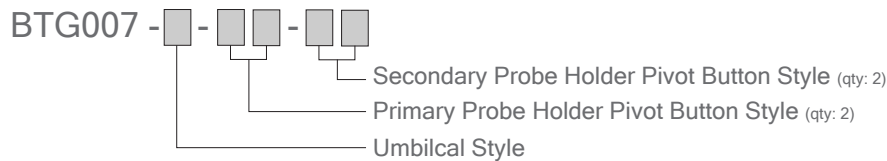
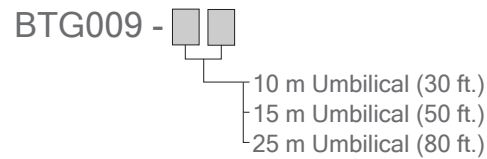
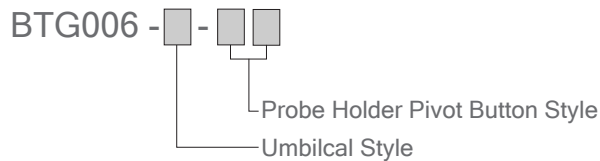
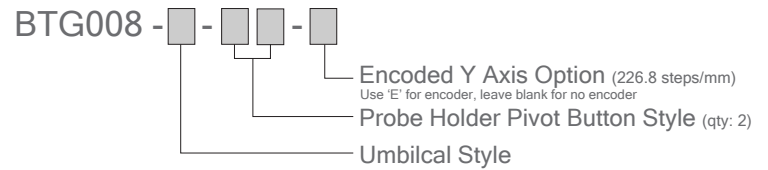
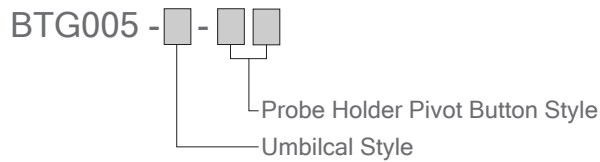
BTG009 Single Probe w/ Extension Arm Mount



BTG007 4 Probes with Front Swivel Bar



Ordering Info



Umbilical Style

Umbilical	Company/Instrument
A	Flying Leads
B	Olympus OmniScan
C	Olympus Focus LT
E	Olympus Epoch XT
N	Olympus UMB1 Umbilical (single axis encoder output)
B	Harfang X32
F	AGR TD Focus Scan
F	AGR TD Handy Scan
F	AGR TD Scan
F	AGR TD Pocket Scan
G	Sonotron Isonic
J	Jireh Breakout Bell
K	AIS NP3 Nanopulser
L	US Ultratek PCIUT3100T
M	Scantech Analyst

Pivot Button Style

Button Style	Pivot Hole Size	Hex Size
01	8.0mm (0.315")	9.53mm (3/8")
02	5.0mm (0.197")	9.53mm (3/8")
03	2.7mm (0.106")	9.53mm (3/8")
04	9.5mm (0.375")	11.1mm (7/16")
06	3.0mm (0.118")	9.53mm (3/8")
07	2.3mm (0.090")	9.53mm (3/8")