



**INUKTUN**  
 TRANSFORM THE FUTURE

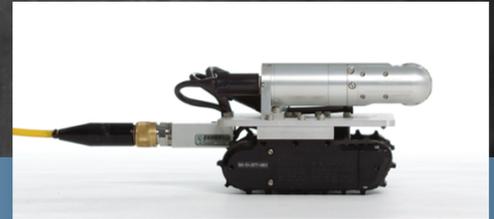
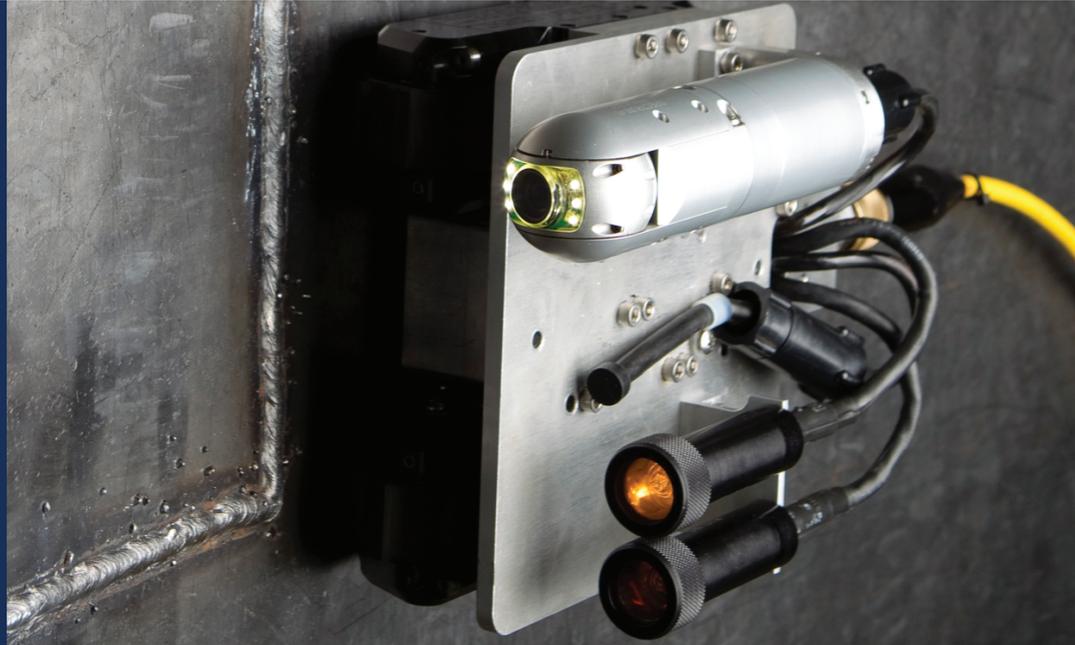
Versatrax 100 MicroMag™



The MicroMag™ robotic inspection vehicle is compact, waterproof and magnetic. It can be rapidly deployed for many applications that exclude most ordinary ROVs.

The MicroMag™ visual inspection system has been engineered to deliver vivid color imagery in real-time while travelling almost any direction on ferrous metal structures. This unique, remotely operated device is steerable on vertical, horizontal and inverted surfaces even when piloted underwater.

For more information on advanced remote inspection systems contact Inuktun today.



## SPECIFICATIONS

### KEY FEATURES

Depth Rating	100ft / 30m
Max Tether Length	600ft / 183m
Variable Speed	32ft / 10m per minute
Vehicle Payload	10lb / 4.54kg
Front Facing Camera	Spectrum 45™

### VEHICLE

Chassis Type	Parallel / Flat
Chassis Material	Anodized aluminum
Crawler Tracks	2x Microtracs™
Crawler Track Material	Aluminum
Magnetic Component	Rare earth magnets
Auxiliary Lights	2x 20 Watt / 601 halogen Variable intensity (remote)

### PRIMARY CAMERA

Position	Front
Model	Spectrum 45™
Material	Aluminum
Pick-up Element	1/3" CMOS (NTSC or PAL)
Sensitivity	1.0 lux
Resolution	420 TV Lines
Focus	Auto or manual (remote)
Pan Range	360° Continuous
Tilt Range	280° Mechanical stops
Lights	6x High intensity LEDs
Camera Weight	1.1lb / 0.5kg

### TETHER CABLE

Outside Diameter	0.325in / 8.3mm
Min / Max Length	100ft / 30m to 600ft / 183m
Strength Member	Aramid fiber
Strength Rating	360lb / 163kg

### OPERATING ENVIRONMENT

Temperature	0°–40°C / 32°–104°F
Depth Rating	200ft / 60m

### CONTROL SYSTEM

Power	Voltage (Nom): 115 / 230VAC 550W Suggested Generator / Inverter: 0.6Kw Micromag with UT: .75Kw
Controller Type	Portable in Pelican® case or 19in rack mount
Operator Controls	2 x Joysticks and custom keypad
Tether Reel & Encoder	Portable in Pelican® case

### OPTIONS

Color LCD Monitor	2x8in in Pelican® case lid. Sunlight readable option
Pendant Control Add-on	25ft / 7.6m Interconnect cable
Auxiliary Camera	Rear facing Crystal Cam®
Miniature Tether Reel & Encoder	For up to 350ft / 107m of tether
Digital Video Recorder	Records mpeg4 / digital zoom and still image capture / audio inputs
Drop Camera Adapter	Allows Spectrum 45™ to be used as a drop camera

### APPLICATIONS

Wet or dry inspections of ferrous metal surfaces such as:

- Reactor heads
- Pressure vessels
- Storage tanks
- Ship hulls
- Bridges / engineered steel
- Offshore platforms
- Wind turbines

### BENEFITS

- Remotely controlled
- Compact and portable
- Waterproof / submersible
- Magnetic adhesion on ferrous metal
- Operates vertically and inverted
- Vivid color video, front and rear
- Intuitive software interface
- Familiar joystick controls
- High reliability
- Low total cost of ownership

MODULAR MOBILE ROBOTIC  
 CRAWLER VEHICLES

INDUSTRIAL WATERPROOF  
 CAMERA SYSTEMS