



... see it for yourself

Versatrax 100 MicroMag™

Troll B - Platform
North Sea, Norway
Photo by Hakon Thingstad



Versatrax 100 MicroMag™

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

The MicroMag™ visual inspection system has been engineered to deliver vivid color video footage 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 information call 1.877.468.5886 or e-mail sales@inuktun.com

KEY FEATURES

Vehicle Type

Magnetic Robotic Crawler

Depth Rating

Waterproof to 100ft / 30m

Maximum Tether Length

Up to 600ft / 183m

Vehicle Speed

Up to 32ft / 10m per minute

Vehicle Payload

10lb / 4.54kg

Front Facing Camera

Color video, pan / tilt

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 & portable
Waterproof / submersible
Magnetic on ferrous metal
Operates vertically & inverted
Vivid color video, Front & Rear
Intuitive software interface
Familiar joy-stick controls
High reliable up-times
Low total cost of ownership



VEHICLE

Compatibility

Versatrax 100™ components

Chassis Type

Parallel / Flat

Chassis Material

Aluminum

Crawler Tracks Model

2x Inuktun Microtracs™

Crawler Track Material

Aluminum

Magnetic Component

Rare Earth Magnets

Magnet Capacity

up to 30 x 1.0in x 0.5in

PRIMARY CAMERA

Position

Front

Model

Inuktun Spectrum 45™

Material

Aluminum
(Stainless Steel Optional)

Pick-up Element

1/4in CMOS (NTSC or PAL)

Sensitivity

1.0 lux

Lens

3.6mm

Resolution

420 TV Lines

Focus

Auto or Manual (Remote)

Pan Range

360 ° Continuous

Tilt Range

280 ° Mechanical Stops

Lights

6 x 0.5 Watt LED / Variable Intensity (Remote)

Camera Weight

1.0lb / 454g

TETHER CABLE

Outside Diameter

0.325in / 8.3mm

Minimum / Maximum Length

200ft / 61m - 600ft / 183m

Conductors

14 total / 3x AWG24(tp), 1x

AWG26(tp), 6x AWG22

Strength Member

Aramid fiber

Strength Rating

360lbs / 163kg

AUXILIARY LIGHT

2 x 20 Watt / 601 Halogen

Variable Intensity (Remote)

CONTROL SYSTEM

Line Voltage

115VAC or 230VAC

Power Requirement

550 Watts minimum

Controller Type

Portable in Pelican Case or

19in rack mount

Operator Controls

2 x Joysticks and Custom Keypad

Software

Custom Graphic User Interface

Tether Reel & Encoder

Portable in Pelican Case

OPTIONS

Color LCD Monitor

8in fits Pelican Case Controller

Pendant Control Add-on

25ft / 7.6m Interconnect Cable

Auxiliary Camera

Rear facing Inuktun 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.