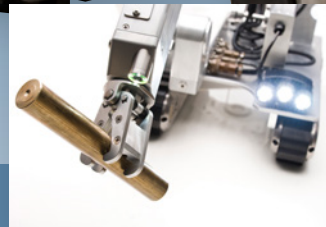
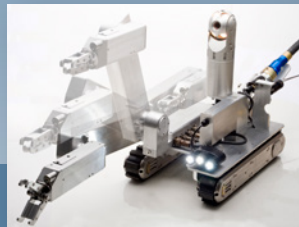
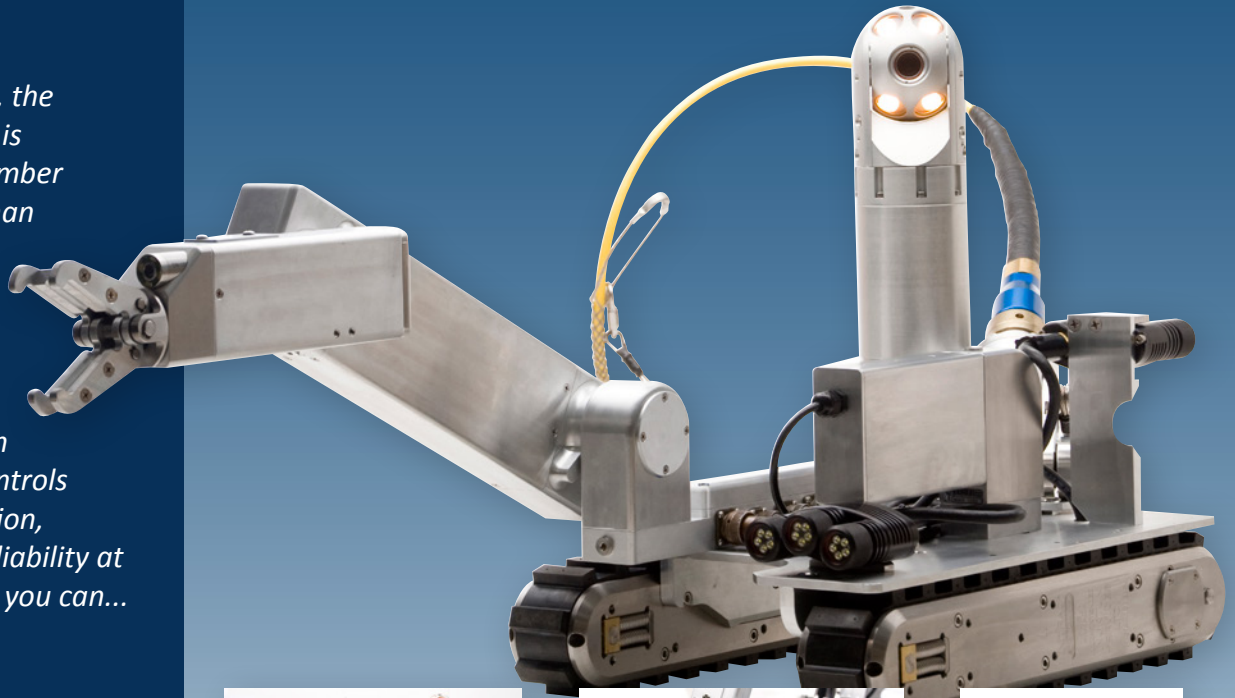




Versatrax 450™

Conquering dangerous environments with ease, the Versatrax 450™ crawler is perfectly suited for a number of situations where human intervention is neither preferred nor possible. Portable setup and deployment allows for quick and efficient inspection, manipulation and removal. Precise controls allow for ease of operation, delivering power and reliability at the touch of a button so you can... see it for yourself.

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



SPECIFICATIONS

CHASSIS

Camera Lowered / Manipulator Arm Folded	14.45in ^w x 12.5in ^h x 19.95in ^d 36.7cm ^w x 31.7cm ^h x 50.67cm ^d
Camera Raised / Manipulator Arm Extended	14.45in ^w x 20.4in ^h x 21.95in ^d 36.7cm ^w x 51.8cm ^h x 55.75cm ^d
Variable Speed	30ft / 9m per minute
Transporter	2 extended Minitrac™ crawlers (stainless or aluminum)
Tether Cable	500ft / 160m; Multi-conductor; abrasion resistant Rilsan®
Weight	100lb / 45kg with aluminum Minitracs™
Minimum Entry Point Diameter	15in / 38.1cm
Manipulator	4 function arm with built-in camera at wrist
Shoulder Rotation	210°
Elbow Rotation	315°
Wrist Rotation	Continuous
Gripper Rotation	Opens 90°, or 3.25in / 19.68cm
Manipulator Payload	16 lb (at 24in from front of vehicle) 32 lb (at 12in from front of vehicle)
Chassis Material	6061-T6 aluminum

CAMERA

Material Type	Aluminum Spectrum 90™ pan, tilt and zoom camera
Sensitivity	< 1.5 lux
Resolution	460 TV Lines
Focus	Auto or manual (remote)
Exposure	Auto and manual
Zoom	40:1 (10x optical 4x digital)
Lights	3x High intensity variable LEDs
Weight	6.6lb / 3kg (aluminum version)

AUXILIARY FUNCTIONS

Manipulator Camera	Color CMOS w/12x high intensity LEDs
Lighting	2x15 Element high intensity LEDs, variable (remotely controlled)

OPERATING ENVIRONMENT

Temperature	0°–40°C (32°–104°F)
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CONTROL SYSTEM

Power	Voltage (Nom): 115 / 230VAC 1200W Suggested Generator / Inverter: 1.5Kw
Interface	Membrane panel with joystick and keyboard entry
Tether Reel Electric	Variable speed, 1hp motor, distance counter

Tether Reel Manual

Crank tether reel in a Pelican® case

Video Overlay

Date and time, pan and tilt feedback, tether distance, Sunlight readable monitor, digital video recorder (DVR), directional compass monitoring, chronometer, laser sight lines, laser profiler, lidar, chemical sensors, radiation sensors

Options

APPLICATIONS

- Radioactive waste site cleaning and disposal
- Suspicious package inspection and removal
- Explosive ordnance disposal
- Hazardous material sampling, object recovery
- Remote deployment of specialized sensor packages

BENEFITS

- Portable inspection capability up to 500ft / 152m
- Two onboard color cameras; one for 360° views and one for manipulator arm close-ups
- Built-in camera lights and two auxiliary lights for maximum visibility in the darkest of environments
- Four function manipulator control arm which folds away for confined spaces
- Intuitive multi joystick controller layout with sensitive controls for easy operation
- Rugged 6000 series extended minitracs™ for superior traction to overcome obstacles
- Scalable framework for industry-specific modifications

MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

INDUSTRIAL WATERPROOF
CAMERA SYSTEMS

... see it for yourself

INUKTUN

CRAFTSMANSHIP IN HIGH TECHNOLOGY

CONTACT US

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ABOUT INUKTUN

Inuktun Services Ltd. (ISL) was founded in 1989 to design and manufacture Remotely Operated Vehicles (ROVs) and modular robotic systems for use in confined spaces and hazardous environments. Since then, the company has earned a reputation as the expert in remote controlled robotic inspection and instrumentation transport systems. Reliability, efficiency, quality, and cost-effectiveness are emphasized in the design of all equipment produced by ISL.

The company employs a multi-disciplinary team of engineers, scientists, administrative and production personnel at its facility in Nanaimo, British Columbia, Canada.

In addition to producing and selling a complete line of standard equipment for a variety of remote robotic inspection applications, the company also offers a complete range of engineering services from conceptual design through to project completion.

To ensure and maintain the company's high standard of quality systems assembly, integration and testing are accomplished using in-house electronic and machine assembly staff. In addition, ISL regularly develops partnerships with other businesses and consultants to provide specialty engineering in accordance with design criteria. As a result, ISL is able to provide customers with innovative, high-quality equipment that is functionally reliable, easily operated, and cost-effective.

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