



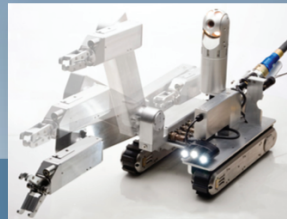
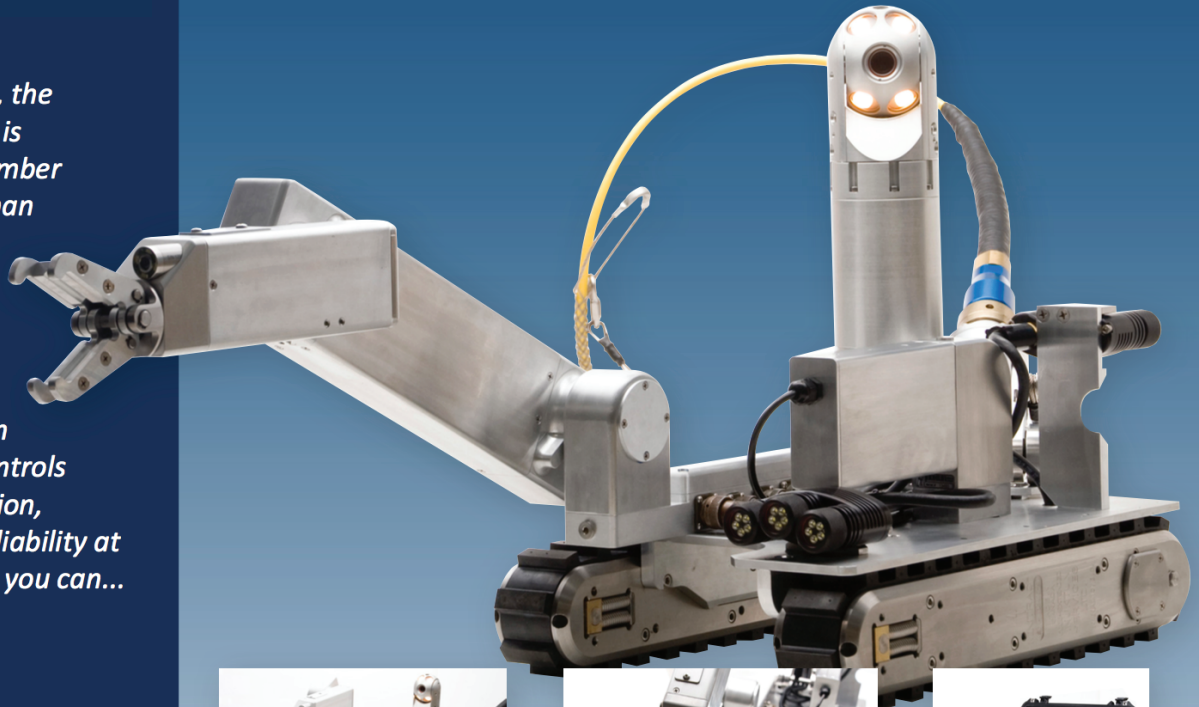
**INUKTUN**  
 TRANSFORM THE FUTURE

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

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

### CAMERA

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

### AUXILIARY FUNCTIONS

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

### OPERATING ENVIRONMENT

<b>Temperature</b>	0°–40°C (32°–104°F)
--------------------	---------------------

### CONTROL SYSTEM

<b>Power</b>	Voltage (Nom): 115 / 230VAC 1200W Suggested Generator / Inverter: 1.5Kw
<b>Interface</b>	Membrane panel with joystick and keyboard entry
<b>Tether Reel Electric</b>	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,

### Options

Sunlight readable monitor, digital video recorder (DVR), directional compass monitoring, chronometer, laser sight lines, laser profiler, lidar, chemical sensors, radiation sensors

### 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**