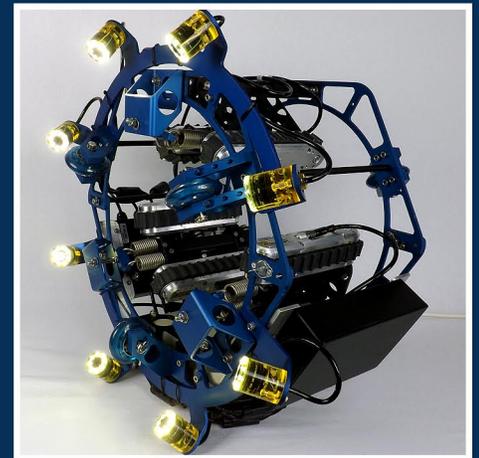
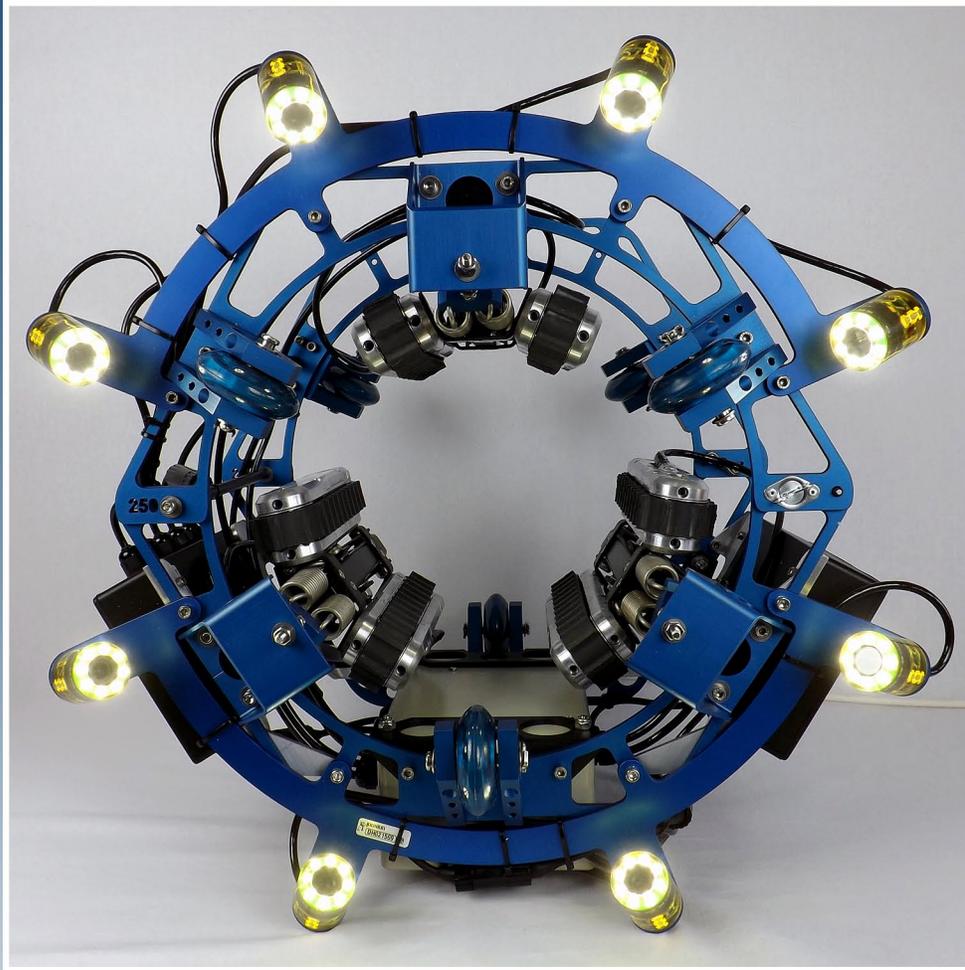


Versatrax MicroClimber™ System



The Versatrax MicroClimber™ system is a unique remotely operated tool designed to climb on almost any inclined or vertical cylindrical structure. The vehicle is capable of crawling on pilings, pipe, rope or guy-wires while performing a variety of tasks. The standard system includes eight (8) Crystal Cam® cameras (transmitted on two quad channels) for visual inspection, but the vehicle can be easily adapted for NDT devices, cameras, or cleaning tools. Versions of the MicroClimber™ are available for a range of diameters, operating in air or underwater.

SPECIFICATIONS

Crawler system: 6 x 4000 series Microtracs™

Motors: 53:1 gear ratio, Maxon brush type

Max speed: ~30 ft / 9m per minute

Measured max pull torque: > 90 lbs / 41kg

Weight: < 40lbs / 18kg

Chassis: Construction: 6061-T6 Aluminum

Length: 18.5in / 47cm

Width: 25.0in / 64cm

Standard operational diameters (custom sizes available): 6.3in / 160mm to 9.8in / 250 mm, with manual adjustments

Out-of-round compliance: + / -15%

Operational angle: any

Operating temperature: -4 to +95F / -20 to +35C

Ingress protection: IP64

Vehicle cameras:

- 8 x Inuktun Crystal Cam® cameras
- Color 1/2in Ex-view CCD
- Embedded LED lighting
- Resolution: 400+ TV lines
- Minimum illumination: < 1.5 lux
- Mounting plates for 5 diameters

Tether cable:

Length: Up to 860ft / 262m

Diameter: 0.33in / 8mm

Colour: White

Weight: 51lbs per 860ft length /

23kg per 262m length

Break strength: > 800lbs / 363kg

Control system:

Input power: 120 / 240 VAC

Total system wattage: <500 W

Vehicle control: Variable speed potentiometer

Monitors: 2 x 8in / 20cm LCD, 2 channel

(2 x quad display)

Video overlay: cable distance, date/time etc.

Two channel digital video and audio recorder

Controller, recording and viewing all contained in

Options:

Depth rating: waterproof up to 9,843ft / 3,000m with pressure compensated brushless motors

Application specific integrations: PTZ cameras, sonar, NDT sensors, tooling

MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

INDUSTRIAL WATERPROOF
CAMERA SYSTEMS

... see it for yourself

INUKTUN

CRAFTSMANSHIP IN HIGH TECHNOLOGY

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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 built a reputation as the expert in remote controlled robotic transport and delivery of visual inspection equipment and instrumentation tooling. 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, on Vancouver Island.

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.

MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

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