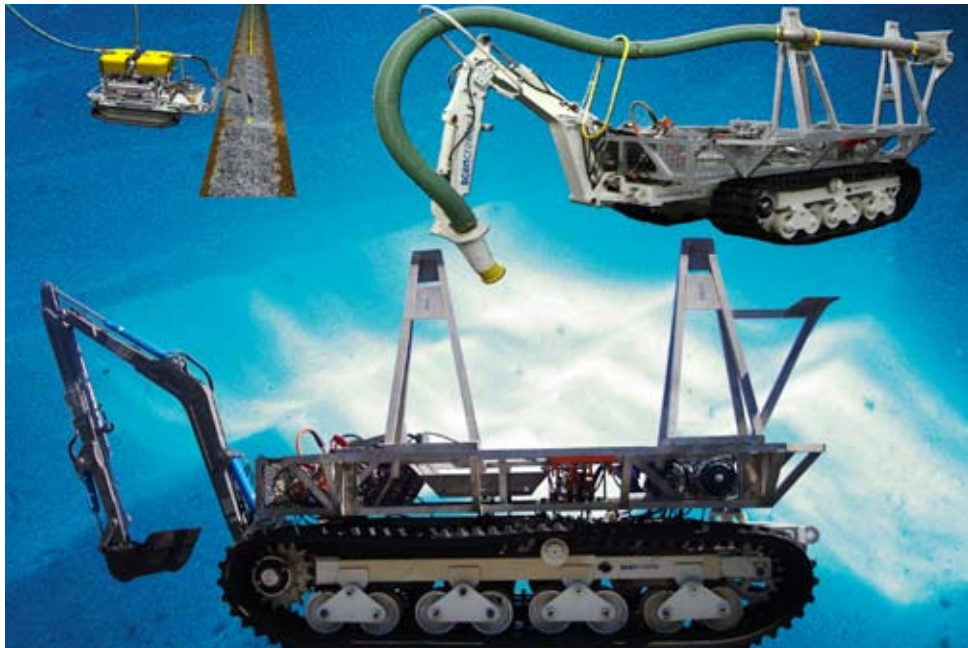


# scancrawler

Precision subsea WROV powered excavator and tool-carrier system **scanmudring**



The Scancrawler system is a tool-carrier for hydraulically operated tools. It has been developed specifically for medium to heavy operations requiring high accuracy.

Typical tasks:

- Subsea excavation
- Rock dump and drillcut removal
- Pipeline deburial
- Relocation of seabed
- Removal of grouting

The unit is interfaced, powered and controlled by the Customers work-class ROV. Operation and maintenance is performed by the Customers ROV team in tandem with Scanmudring specialists. All power and controls are transferred between Scancrawler and the ROV by subsea mating. The unit may be wet stored.

The system may be operated from live platforms and vessels, and is designed for rapid mobilisation.

The Scancrawler combines advanced ROV technologies with the design of rugged land based construction machines.

A special monitoring system (MoS), enables safer operation and improved productivity in poor visibility applications. This is most valuable when operating close to live assets or in projects requiring the combination of power and precision.



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### GENERAL

Name:	Scancrawler
Manufacturer:	Scanmudring
ROV class:	Norsok ROV class V prototype
Type:	Tracked (bottom crawling) ROV system
Work capabilities:	Lightweight subsea construction and excavation work powered by separate ROV system
Available tools:	4", 6", 8", and 10" external ejectors systems General lightweight excavator and hydraulic operated tools Excavator monitoring system (MoS) for accurate levelling and construction work
Number of Available units:	1 operational system

### DIMENSION

Length* [m]:	5.6/5.9
Breadth [m]:	2.5
Height [m]:	2.9/3.2
Weight in air [ton]:	4.9
Manipulator reach:	2.5/5.0

\* Stated dimensions in storage position with manipulator folded

### OPERATING PARAMETERS

Operating depth:	1 000m – depending on ROV
Relocation range:	From 2.5 to 100m depending on ejector system interfaced
Max excavation depth:	2.5m (slope 1:1)
Soil excavation capacities:	From very soft to very hard seabed
Removal capacities:	Depending on ejector system fitted
Operational soil condition:	From 6kPA - without use of customised tracks or additional bouncy
Navigation:	Using ROV navigation system in addition to Scanmudring MoS (monitoring system)
Measurement:	Monitor System accuracy +/-5cm at full arm reach

### SHIPBOARD SUPPORT

Lars lift capacity:	From 6.5T
Deck space requirements:	Subject to system and tool configuration Standard system requires landing area of 7x3m Operator area in ROV control container.
Power supply requirements:	Interfaced to ROV performed subsea, using hot stabbing Supply from dirty oil pack: 207bar/60LPM Supply to dirty oil pack: 180bar/90LPM, 110V/10Amp and RS232 lines interface
Operators:	2 specialist operators for 24hours operation supplied by Scanmudring in addition to Client's ROV operators

A dirty oil pack for mounting onto the WROV is available on request.