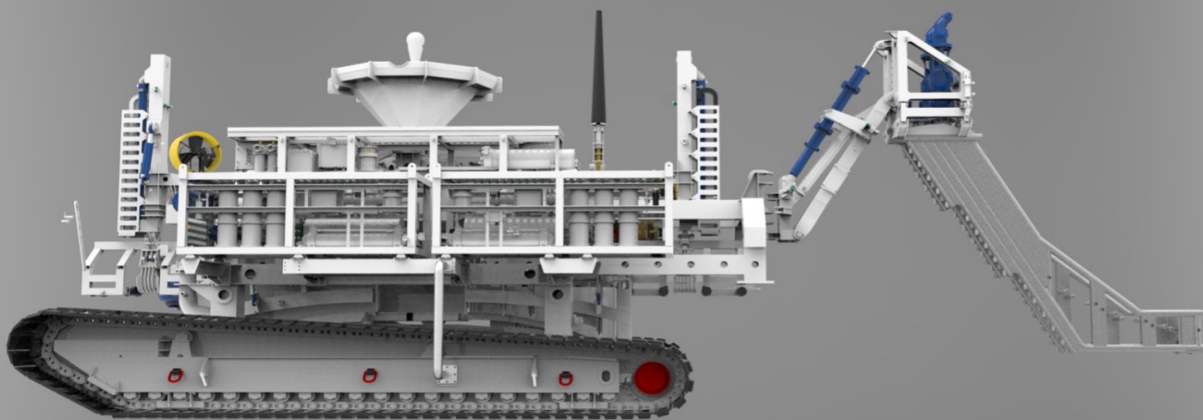


# SEAREX

## BURIAL TOOL

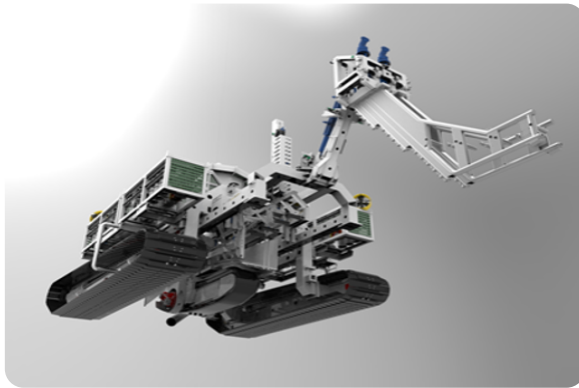


The SeaRex is a multimode tracked trencher that can operate as a pre-lay or post lay and burial system comprising of four cassettes. A pre lay jetting cassette, a pre lay chain cutting cassette, a pre/post chain cutter and a pre/post wheel cutting cassette.

SeaRex in jetting configuration can cut a trench of up to 3m and in mechanical cutting configuration a trench of up to 2.5m

SeaRex utilizes fore and aft cable handling/lifting and roller assemblies for subsea loading.

## TECHNICAL SPECIFICATIONS CHAIN CUTTER



### DESCRIPTION

Chain cutting will enable SeaRex to cut a variable trench up to 2.5 m deep in soils up to 10 MPa @ a maximum of 145 m/hr. Within the chain cutting cassette will be included an integral boom jetting element giving up to 100 kPa with speeds ranging from 180 to 300 m/hr. Note. Speeds are dependent on soil conditions.

Sea Rex will also come equipped with a rear twin jetting sword assembly with optional depressor bars (removable) or rear mounted eductor tool, both options are fed by HP pumps mounted on vehicle.

### KEY FEATURES

- 4 m cable MBR
- Diverless subsea cable loading and unloading
- Fore and Aft feelers for cable tracking
- Jetting up to 850 m<sup>3</sup>/hr @ Nominal 10bar
- Comprehensive instrumentation and Surveillance system to meet project requirements
- Variable Burial Depth
- Emergency cable unloading system
- Dedicated Launch and Recovery System

All performance figures quoted are nominal, actual performance is dependent on environmental conditions prevailing at the time of operations.

#### GENERAL

Depth Rating	1000 m
Dimensions (LxWxH)	14.9 m x 7.7 m x 5.5 m
Weight in air	85 tons
Submerged weight	75 tons

#### CHAIN CUTTING SYSTEM

Chain Make Up	Point attack picks, chisel picks or combination of both dependent on seabed
Vehicle Power	1600 kW
Trench	Maximum - 2500 mm with 4 m MBR
Chain Speed	0-3 m/s
Chain Width	500mm - 700mm dependent on mode

## TECHNICAL SPECIFICATIONS WHEEL CUTTER



### DESCRIPTION

Wheel Cutter will enable SeaRex to cut a variable trench up to 1.2 m deep in soils up to 50 MPa @ a maximum of 300 m/hr. Note. Speeds are dependent on soil conditions. SeaRex will also be fitted with a rear jetting shoe or rear mounted eductor for trench clearance with optional depressor bars that will lie within the cut trench.

In wheel cutter mode a 600 mm wide steel track system will be fitted to provide greater traction.

### KEY FEATURES

- 4 m cable MBR
- Diverless subsea cable loading and unloading
- Fore and Aft feelers for cable tracking
- Dedicated Launch and Recovery System
- Comprehensive instrumentation and surveillance system to meet project requirements
- Dual 10bar water pumps using a venturi system to remove spoil from the cut trench
- Variable Burial Depth
- ROV emergency cable unloading system
- Jetting up to 850 m<sup>3</sup>/hr @ Nominal 10bar

All performance figures quoted are nominal, actual performance is dependent on environmental conditions prevailing at the time of operations.

### GENERAL

Depth Rating	1000m
Dimensions (LxWxH)	14.9 m x 7.7 m x 5.5 m
Weight in air	87 tons
Submerged weight	77 tons

### WHEEL CUTTING SYSTEM

Chain Make Up	Point attack picks
Trench Depth	Maximum - 1200 mm with 4 m MBR
Wheel Speed	0 – 2.2 m/s (in high torque) - TBC
Wheel Width	450 mm