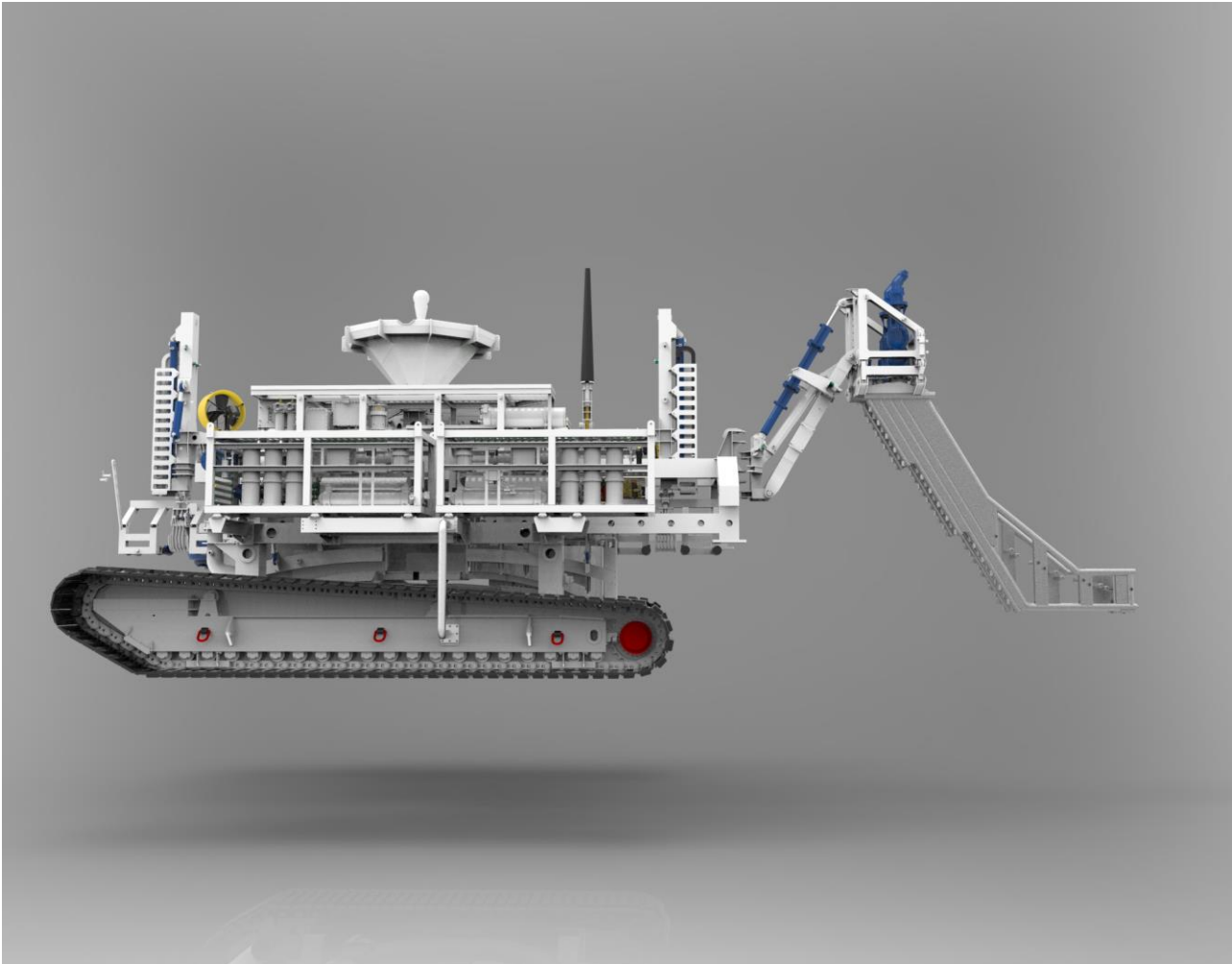


# SeaRex



*The SeaRex is a multimode tracked trencher that can operate as a pre-lay or post lay and burial system after modification and upgrade. These modifications include two new interchangeable cassettes for a post lay burial slot cutter and post lay wheel cutter.*

*The trencher operates with 1.5m or 2.5m chain slot cutter cassette, 0.4 – 1.5m wheel cutter and 3.0m Rear Jetting swords with Backwash providing several cable burial solutions.*

*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). The twin sword jetting assembly is fed by HP pumps and acts as a backwash tool via downward and rear facing nozzles.

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

### GENERAL

Depth Rating	500 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	Chisel Cutters
Trench	Maximum – 2500 mm with 4 m MBR Minimum – 1500 mm (TBC)
Chain Speed	0 – 3 m/s
Chain Width	700 mm



### 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



## Technical specifications Wheel Cutter



### DESCRIPTION

Wheel Cutter will enable SeaRex to cut a variable trench up to 1.5 m deep in soils up to 50 MPa @ a maximum of 350 m/hr. Note. Speeds are dependent on soil conditions.

SeaRex will also be fitted with a rear jetting shoe with optional depressor bars that will lie within the cut trench.

In wheel cutter mode a 750 mm wide steel track system will fitted to provide greater traction.

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

#### GENERAL

Depth Rating	500 m
Dimensions (LxWxH)	12.9 m x 7.7 m x 5.5 m
Weight in air	85 tons
Submerged Weight	75 tons

#### WHEEL CUTTING SYSTEM

Chain Make Up	Chisel Cutters
Trench	Maximum - 1500mm with 4m MBR Minimum - 400mm (TBC)
Wheel Speed	0 - 4.4 m/s (in reduced torque) -TBC 0 - 2.2 m/s (in high torque) - TBC
Wheel Width	450mm



### KEY FEATURES

- 4 m cable MBR
- Diverless subsea cable loading and unloading
- Dedicated Launch and Recovery System
- Comprehensive instrumentation and surveillance system to meet project requirements
- Variable Burial Depth
- ROV emergency cable unloading system
- Jetting up to 850 m<sup>3</sup>/hr @ Nominal 10bar

