

RACK



The RACK is a tubular frame that can carry the load of a regular PTM (post-trenching machine) and support it during trenching operations. The RACK can operate on sand-rocky or coral seabeds, moving from the beach area up to a water depth of –4 metres (in good marine conditions).

The basic characteristics of the RACK's main frame are:

- ✓ Width: 8 metres
- ✓ Length: 11 metres
- ✓ Weight: 18 tonnes
- ✓ Frame: Steel

The RACK's main frame lays on 4 large capacity driving wheels, which each have a 2 metre diameter and are 60 cm wide; The frame can be lowered and lifted up to 5 metres in height.



SEA S.r.l. Via A. Mariani 44-46, 48121 Ravenna (RA), Italy

Tel. +39 0544 30283, Fax. +39 0544 35591

www.seatrenching.it, e-mail: info@sea-group.net;

Soc. Cap. €110.000,00 I.V. – R.E.A. N. 128067 – Comp. Reg. n. 15829 –

Tax Code n. 01206570390

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The RACK and PTM's control cabin is positioned on the upper part of the main frame. The structure, which moves along the pipeline with two wheels per side, is able to launch the PTM onto the pipeline, as well as recover it back on-board, thanks to a crane and winch system, that assist the PTM Operator during the trenching operations.

The advantage of this kind of equipment is that it can work in shallow waters, where naval means struggle to reach, thus avoiding mooring issues.

The RACK is self-propelled and the operator can easily drive it.

It autonomously moves along the pipeline, using it as a guide, even when the pipeline has already been buried: a regular PTM or a burying machine can be operated from the RACK structure.

It is important to underline that, for safety reasons, the RACK is connected by means of a cable to a winch placed on the beach area, which guarantees the retrieval of the equipment (in addition to helping the 4 driving wheels) in case it runs aground or it has difficulties to move.

The introduction of the RACK is the result of years of post-trenching works in shore approach and near shore areas. For this reason, SEA has invested time, engineering and money to create a piece of equipment that is changing the trenching approach in the near shore field, because it can be adjusted according to the post-trenching equipment to be used or for any other equipment to be used in this area.

In addition to post trenching works, the RACK is useful for those shallow water areas, such as lakes, lagoons and canals, where it is impossible to work with normal barges.



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