

SWT3000



The 'Shallow Water Trencher' 3000 is designed to provide a cost effective beach and near-shore trenching solution for a variety of ground and seabed conditions. The system can be fitted with either a jetting package or self-loading chain cutting package with no modifications to the core vehicle.

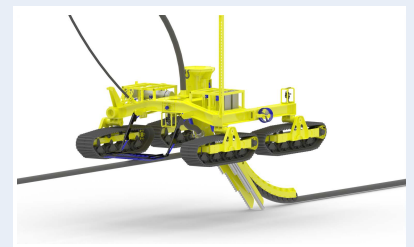
The SWT3000 package includes our signature cost effective combination of easy to source and repair steel plus off-the-shelf components from suppliers with outlets worldwide. As the system is 'surface fed' the client is free to use whatever hydraulic power unit and water pumping solution suits their needs best.

The SWT3000 is intended to provide a versatile and cost effective trenching system that is [adaptable to any shallow water trenching project](#)

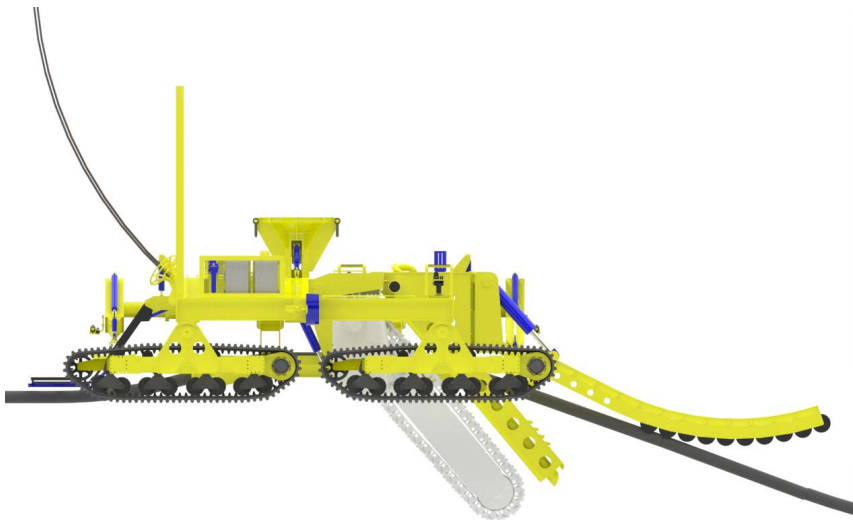
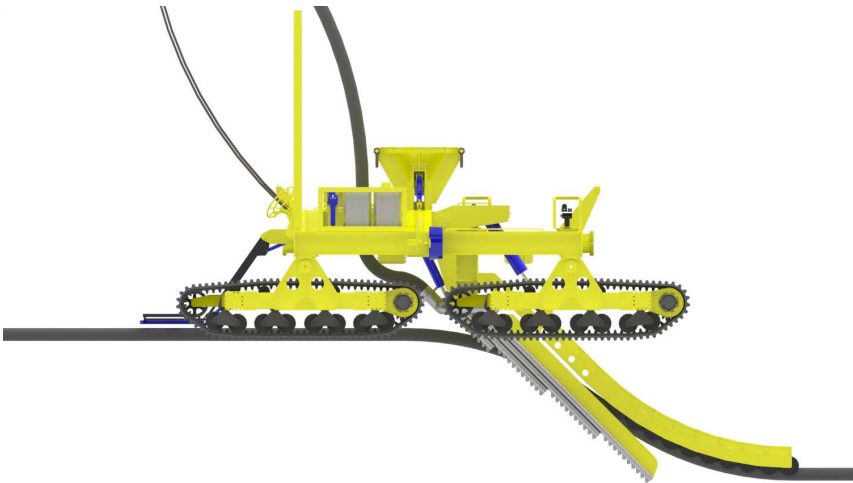
SWT3000

The SWT3000 model includes features such as:

- Common mounting mechanism for the jetting and chain cutting tool arrangements
- Subsea loading via two telescopic grabs
- Variable position product support and diverter chute
- Four independently tilting tracks to allow for seabed incline changes
- Long overall track system to support chain cutting reaction loads
- Wide stance to prevent vehicle sinkage in deep jetting operations
- 'Bullet' launch and recovery system that can be used with crane or A frame launches
- Slewing and luffing depressor for guiding the product into the trench



SWT3000 in jetting configuration



SWT3000 Specification

GENERAL

- Depth rating 75m
- Weight in air 12Te (Jetting) 17Te (Cutting) - 2m package

PERFORMANCE

- Trench depth
 - 0 to 2m (2m jetting/ cutting package)
 - 0 to 2.5m (2.5m jetting/ cutting package)
 - 0 to 3m (3m jetting/ cutting package)
- Cable diameter up to 250mm (cutting) or 400mm (jetting)
- Min bend radius 4m
- Track speed 1500m/hr with appropriate HPU
- Seabed slope Up to 15 degrees

MECHANICAL

- Off-the-shelf chain cutting and track parts
- Multi chamber stainless steel jetting system with screw-in jetting nozzles
- Removable HPU and POD cages
- Hydraulic articulating product chute for loading, trenching and automatic ejection
- Telescopic 'product friendly' grab system fore and aft
- Stainless steel valve tanks, pod and junction boxes
- Eductor system complete with aft trench jetting
- Stowable RTK/ GPS mast

SURVEILLANCE AND INSTRUMENTATION

- 3 x Pan/ tilt HD cameras, 3 x static HD camera
- Obstacle avoidance sonar, depth measurement and gyrocompass
- TSS 440 cable detection (can be replaced with MBES alternative if requested)
- All cylinders feature LVDT instrumentation
- Instrumentation for depressor load, track speed/ direction, jetting pressure

SWT3000 Advantages

- Exceeds industry standard specification while maintaining functionality
- Simple, robust and cost effective.
- Simple steelwork for ease of repair and maintenance
- Easily changed from chain cutting to jetting arrangement
- Multiple proven off-the-shelf core items for ease of sourcing/ replacing

