

WESUBSEA'S TITANIUM HYBRID DREDGER SYSTEMS

The WeSubsea hybrid dredging system is a standalone diver/ROV dredging and jetting unit designed for the excavation of stiff and hard clay.

Our unique systems are the first to offer high powered dredging and true jetting performance in a compact and easy to use package.

The system requires no additional topside equipment or separated down lines and utilises the HPU and umbilical already powering the dredger. This greatly reduces cost and the deck space required.

The system can be safely operated by diver or ROV with the capability of switching on and off the jetting system subsea as and when required.

Multiple purpose solution

Our dredgers are the solution for a wide range of services to the subsea sector, such as:



- Debris removal
- Rock dump and drill cut removal
- Pipeline de-burial
- Excavation
- Environmental work
- Jetting
- Clay removal

Standard Features

- Designed to move different types of sediment on the seabed
- Powered by Top Site HPU for water depth down to 300m
- Lightweight and compact design
- Suction hose 50m ++, soil dependent
- Operated by Diver or ROV
- Can be fitted with flexible discharge hose
- Suction hose can be mounted subsea by using a slip over flange



To meet customers demand. WeSubsea's hybrid dredging system is equipped with a wide range of ejectors and pumps, from 3 inch to 10 inch.

Through our network of partnerships we are able to supply our products and services globally for rapid mobilisation



TECHNICAL SPECIFICATIONS

- FLOW RATE 500 m³/hr – 8300 Lpm
- MAX ROCK SIZE (theoretical) 140 mm
- REMOVAL CAPACITY* 45 m³/h (70t/hr)
- HYDRAULIC REQUIREMENT (depending on system)
- TITANIUM EJECTOR
- FLOW RATE THROUGH JETTING NOZZLE
1000 - 2000 Lpm@6 bar, depending on application



*Dependent on operational handling and type of sediment

- CERTIFIED HYDRAULIC HOSES WITH AERO-QUIP COUPLINGS
- SUCTION HOSE WITH SLIP-ON FLANGE
- BACK FLUSH
- SUCTION HEAD WITH D-HANDLE
- HOSE LOCK CLAMPS



OPTION:

- HOT STAB (depending on system)
- DISCHARGE HOSE

ADDITIONAL SPARE PARTS AND CUSTOM PARTS ON REQUEST



OVERALL DIMENSIONS AND WEIGHT:

- SIZE (mm) LxWxH 1500 x 800 x 1200
- WEIGHT APPROX 480 kg



TRANSPORT BOX ACCESSORIES:

- SIZE (mm) LxWxH 1200 x 800 x 800
- INTEGRATED PALLET
- WEIGHT APPROX 100 kg