

TwinProp Controlled Flow Excavation Tool



The TwinProp subsea excavation system is the next generation, state-of-the-art development of the widely proven controlled flow excavation technique. Counter-rotating propellers are used to produce two high volume columns to rapidly excavate the seabed.

The two independent impeller housings can be adjusted to various angles and distances apart to best suit the application. The TwinProp is deployed using a crane or a-frame.

Applications

- Pipeline and cable trenching
- Decommissioning and salvage
- Deburial for IRM works
- Rock dump dispersal
- Drill cuttings dispersal
- Free span rectifications
- Seabed clearance and preparation

Soils

- Sand and gravel
- Rock dump
- Silt and mud
- Clays up to 50kPa shear strength (up to 300kPa with auxillary jets)
- Drill cuttings

TwinProp	
Max Flow Volume	8,400 l/sec
Max Flow Velocity	10 m/sec
Water Depths	3- 300 mtr
Weight	9,000kg
Dimensions	5.8 mtr L x 2.0 mtr W x 2.3 mtr H

Spares Container	6.3 mtr L x 2.4 mtr W x 2.6 mtr H / 9,000kg
Hydraulic Hose Reel	3.0 mtr L x 2.4 mtr W x 2.6 mtr H / 8,000kg
HPU	6.3 mtr L x 2.4 mtr W x 2.6 mtr H / 14,500kg