



TwinProp

Mass flow excavation tool



The TwinProp subsea excavation system is the next generation, state-of-the-art development of the widely proven mass 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 and is powered via high pressure hoses. Clump weights or tugger wires are used to orientate and stabilise the tool whilst it is operational.

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

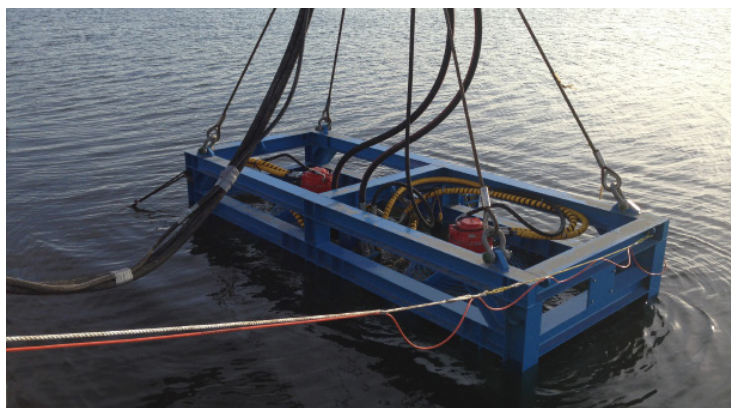
- Sand and gravel
- Rock dump
- Silt and mud
- Clays up to 200+kPa shear strength
- Drill cuttings

Technical specification

TwinProp

Metric

Max flow volume	8,400 l/s
Max flow velocity	8 m/s
Water depths	3m - 300m



Weights and dimensions

	Length (m)	Width (m)	Height (m)	Weight (kg)
TwinProp excavator	5.8	2.0	2.3	9,000
Spares container	6.3	2.4	2.6	8,000
Hydraulic hose reel	3.0	2.4	2.6	11,000
Hydraulic power unit	6.3	2.4	2.6	14,500