

T4000 Controlled Flow Excavation Tool



The T4000 excavation tool generates a large volume column of water which travels vertically down to the seabed at a velocity of up to 10m per second.

Working at depths from 5m, the tool can generate up to 4m³ of water per second. The high volume flow of water fluidises the seabed and disperses the soil rapidly. The patented shape and counter rotating impellers of the T4000 provide controlled flow excavation combining a non-contact method with a remote control real-time sonar system and gyroscopic stability.

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

T4000	
Max Flow Volume	4,000 l/sec
Max Flow Velocity	10 m/sec
Water Depths	5 - 300 mtr Can be paired with an underwater power pack to increase depth to 3,000mtr
Weight	5,500kg
Dimensions	3.6 mtr L x 1.7 mtr W x 3.9 mtr H
Spares Container	6.3 mtr L x 2.4 mtr W x 2.6 mtr H / 8,000kg
Hydraulic Hose Reel	2.4 mtr L x 2.1 mtr W x 2.6 mtr H / 7,000kg
HPU	3.8 mtr L x 1.9 mtr W x 2.3 mtr H / 6,000kg