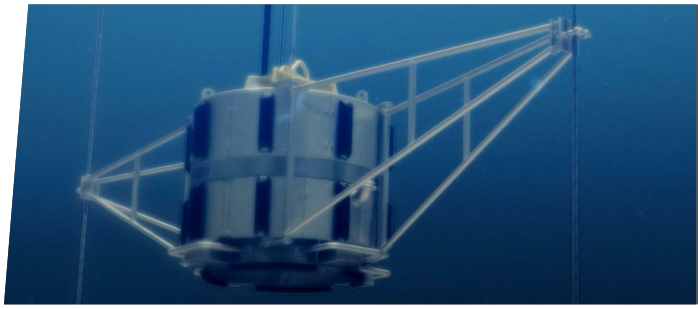
SP6000

Mass flow excavation tool



Deployed over a vessel side and operated remotely from its deck, the JFSE SP6000 works by producing a controllable column of water, the pressure of which effectively excavates the seabed.

This eliminates the risks associated with physical contact, especially around complex subsea assets. By employing real-time sonar monitoring, the SP6000 enables precision excavation both within constrained areas and over long distances.

The SP6000 can be deployed with a dedicated LARS or 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 & 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

SP6000	Metric
Max flow volume	6,000 l/s
Max flow velocity	8 m/s
Water depths	3m - 300m (3m-175m with LARS)

Weights and dimensions	Length (m)	Width (m)	Height (m)	Weight (kg)
SP6000 excavator	1.9	1.9	2.5	4,600
Spares container	6.3	2.4	2.6	8,000
Hydraulic hose reel	3.0	2.4	2.6	11,000
Hydraulic power unit	3.8	1.9	2.3	6,000
LARS (optional)	6.7	2.4	3.2	12,500

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