

▶ JS1 • Jet Sled 1

Technical Specification

JS1 is a Seatools built towed cable trenching system, optimised for beach landing, shore approach and shallow water cable burial, including heavy duty export power cables. Capable of trenching to soil depths of 3m, JS1 water jetting supply is surface fed offering variable jetting pressure and flow rates (5 - 10 Bar/800 - 1000m³/hr)



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Vehicle

Configuration	Towed Jetting Sled
Operating Water Depth	0 to 100m

Particulars

Length OA	9.42m
Width OA	5.9m
Height	2.14m
Weight in Air	11Te

Burial Tool

Depth control	0 to 3.0m – with positive cable depressor
Cable Path	0 to 200mm
Max MBR	2300mm (can be modified to 3 meter depending on cable specification)
Nozzle Configuration	38 x 12mm dia. forward/downward facing nozzles 10 x 12mm dia. backwash nozzles 25 x 10mm dia. Inward facing nozzles

Principal Components

JS1, control van, water lift & main jetting pumps, water hose & reel, umbilical winch including HPU, buoyant Umbilical

Sensors & Surveillance

Port and starboard cable proximity sensors
3 off depressor cable detectors
Inclinometer for sword depth measurement
Tow force
Gyro
Jet pressure sensor
Water depth pressure sensor
Hydraulic pressure sensor
Forward & Aft Tritech Gemini 3D sonar for cable visualisation (optional)
Surveillance cameras (optional)
Positioning through fan beam, GPS or USBL Beacons



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