

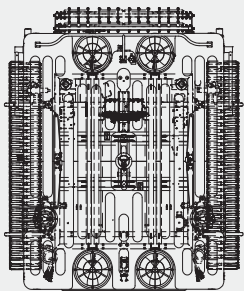
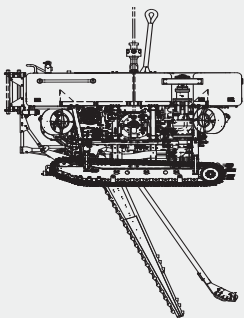
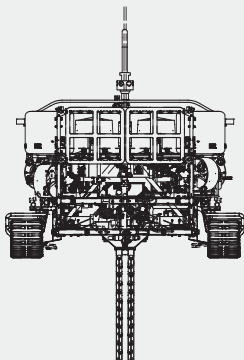


SMD QT500

ROV SPECIFICATIONS

The 375 kW / 500 HP vehicle is a highly flexible cable maintenance ROV system offering two modes of operation, “free flying” and “tracked,” and is capable of operating down to a water depth of 2,500 m.

The ROV has a number of burial solutions which provide burial capability up to 3m, along with a forward mounted solution allowing final bight burial capability. The tracked mode requires significantly less hydraulic power for moving the vehicle forward and therefore allows more power to be directed to the jetting system. Due to its power distribution package it also has high maneuverability & thrust capability within the water column.



General Specifications

• MANUFACTURER	SMD (SOIL MACHINE DYNAMICS LTD) UK
• TYPE	Cable maintenance remotely operated vehicle
• RATED WATER DEPTH	2,500 m
• POWER	375 kW / 500HP
• CONFIGURATION	Free fly & tracked modes
• BURIAL PERFORMANCE	Up to 3 m
• THRUSTER CONFIGURATION	4 Horizontal 4 Vertical
• DIMENSIONS FREE FLY	
Width	3.2 m
Length	4.1 m
Height	2.8 m
• VEHICLE WEIGHT IN AIR	
Free Fly	11000 kg
Tracked	12000 kg

Jet burial Tools

• WATER JETTING	2×variable speed hydraulic drive,single stage pumps
Max Pressure	8 bar
Max Flow	1,700 m³ / hr
• JETTER WIDTH	variable up to 400 mm
• FORWARD JET TOOL	Twin jet device above the seabed rotated to stow under chassis.
• MANIPULATOR MOUNTED JET TOOL	Jet Tool held in jaws of forward manipulator

Surveillance Equipment

• CAMERAS	1 HD Color 5 Color
• LIGHTS	10 x LED
• PAN & TILTS	3×pan & tilts 3×rotators
• SONAR	1×Kongsberg MS1000 OA 1 x Tritech Gemini 720D Multi-Beam
Optional Upgrade	2×Tritech Super Sea King Profilers
• VEHICLE TRACKING	2×Responder/Transponders
• CABLE LOCATION SYSTEM	TSS 440/350 Dualtrack Cable Tracking System

Cable Tools Package

• MANIPULATORS	2×Schilling Orion Extended Reach 7 function rate controlled
• CUTTERS	HCV100 cable cutter; RCO40LP Cutter
• CLAMP	PSSL TA17 Cable Gripper and full set of jaws

Data provided for comparison purposes only. Complete system specifications available on request.