



Quasar is the medium size vehicle in SMD's Q-Series Work ROV range. Utilising the latest "multi-platform" Curvetech components, the vehicle offers class leading performance and exceptional tooling capability.

Quasar is an excellent all-round performer and is suitable for the following sectors and tasks:

- Light construction including pipelay support and TDM
- IRM, pipeline and platform inspections including CP & FMD
- Drill support, completion & well intervention including BOP shut down, fluid injection, hot stabbing, drilling and tapping, gasket change out
- Survey including multibeam and OSS
- Dive support

This is what you get:

- 150hp hydraulic power
- 3000m depth rated
- Extended Tether Management System (TMS) with 915m 27mm tether capability
- 250kg payload
- Up to 800kg bollard pull
- SMD DVECSII digital telemetry
- HDTV & gigabyte capability
- SMD AutoROV advanced control modes

## ROV SPECIFICATION

Hydraulic power	150hp (110kW) Curvetech power pack
Depth rating	3000msw
Dimensions (L x W x H)	3000 x 1700 x 1700mm
Weight in air	3500kg
Bollard pull	≥ 740kgf fwd/aft, ≥ 740kgf lateral, ≥ 500kgf vertical
Surface speed	3.2kn forward, 2.5kn lateral, 25.kn vertical
Work pack capacity	3000kg under-slung 1000kg aft
Propulsion	Four Curvetech HTE 380BA (380mm) horizontal vectored thrusters Three Curvetech HTE 300BA (300mm) vertical hydraulic thrusters
Manipulators	One 7F position feedback control (Schilling Titan4) One 5F grabber (Schilling Rigmaster)
Auto functions	Heading, depth & altitude
Cameras	One Bowtech Explorer Extreme One Bowtech Surveyor-SD-B8-B One Bowtech Mini Colour One Bowtech Mini B&W LLC
Pan and Tilt	One Kongsberg OE10-102
Tilt Unit	One Kongsberg OE10-103
Lighting	Six Bowtech LED-U-4200AC LED Lamps
Sensors	Blue View Sonar System (RS232 interface)

## TETHER MANAGEMENT SYSTEM (TMS)

Class/Type	SMD Extended Tophat Tether Management System (TMS)
Dimensions (d x h)	2175 x 2475mm
Weight in air	3175kg (inc 500m of 27mm tether)
Weight in seawater	2050kg (inc 500m of 27mm tether) Line
Speed / pull	0 – 60m/min proportional @ >300kgf
Lighting	Two Bowtech LED-U-4200AC LED Lamps
Cameras sensor	Two Bowtech LLC 600 Mono Depth Digiquartz Depth Sensor Tether 27mm diameter Nexan WT1-1 Work Class Tether

## UMBILICAL WINCH

Type	Hydraulically driven ROV lift winch
Classification	Safe Area
Certification/standard	Designed in accordance with Lloyds Lifting Appliances in a Marine Environment
Dimensions (l x w x h)	3670 x 2890 x 3160 mm (includes fleeting)
Weight	32700kg (Inc. umbilical)
Winch pull	10750kg (top wrap)
Line speed	50m/min
Umbilical	3300m of 35mm diameter, double steel armored (Nexans RS686)
HPU	Twin 75kW
Incoming power supply	440v supply

## CONTROL VAN

Type	20ft ISO Container (air conditioned)
Classification	Safe Area
Dimensions (l x w x h)	6058 x 2540 x 2743mm
Weight (approx.)	12000 Kg Gross
Transformer	3 Phase transformer (ROV HPU)
Operational Console	DVECS2 ergonomic control system c/w Pilot Control Desk Co-Pilot Control Desk Touch screen control monitors for menu navigation and ROV auxiliary
Monitors	Eight, 19" TFT Flat Panel monitors in "video wall" arrangement (4 x video - two c/w quad screen splitters, 4 x control/diagnostics)
Power Distribution Unit	Self-contained 150hp PDU
Rack Mounted Equipment	Oceantools 2 channel Video Overlay Kramer Video Matrix Switcher 16x16 Two Quad Splitters Two Edge DVR Recorders (SD Version) Canford Communication system

Specifications subject to change without notice. Last revised September 2017