



FEATURES

- 150HP power pack
- Up to 800kg bollard pull
- 250kg payload
- SMD DVECSII digital telemetry
- HDTV & gigabit Ethernet capability

Eclipse Group Inc. (EGI) presents the highly adaptable and capable Quasar Mk II ROV System. The Quasar is part of Soil Machine Dynamics Ltd's (SMD) Q-Series family of work class ROVs. SMD has over 40 years of history in technology innovation for the offshore oil and gas market and is the world's number one independent designer and manufacturer of work class and specialist ROVs. EGI's Quasar Mk II ROV System is the 15th of its kind to be produced by SMD, building on a proven track record of this successful line of ROVs.

Utilizing the latest multi-platform Curvetech™ components, the vehicle offers class-leading, in-current performance, tooling and instrument space, plus access for maintenance. Quasar is an excellent all-around performer capable of survey, construction and drill support operations.

APPLICATIONS

- Subsea construction
- Pre-drilling surveys
- Environmental and scientific surveys
- Drilling support
- Pipeline and cable inspection
- Well head inspection and maintenance
- Civilian and military air crash investigation
- Historic shipwreck survey and artifact recovery





Robust ROV. This fully contained system can be installed on your ship or an EGI vessel. The system includes the ROV, a 3500m umbilical, a tether management system with 450m tether, a deck-mounted launch and recovery system, a control van, and a dedicated maintenance van with full sets of spare components.

Highly customizable. The Quasar features a robust base configuration with optional tool kits for a variety of specialized applications. Camera boom arms, cable cutters, a pipe and cable tracker, a torque tool, a fluid injection system, and survey kits can be added to the ROV to provide the appropriate suite of solutions for your needs.

Best in industry operators. EGI's hand-selected operations personnel are factory-trained and remain on standby in strategic locations worldwide for rapid mobilization.



SPECIFICATIONS

GENERAL

Depth rating	3000msw
Dimensions (L x W x H)	3200 x 1800 x 1800mm
Weight in air (base system)	3500kg
Payload (base system)	250kg
Capable of carrying an under-slung work skid with a weight of 2,000 kg	

PERFORMANCE

Bollard pull	
Forward/aft	800kgf
Vertical (up)	550kgf
Surface performance	
Forward	3.5kn
Lateral	2.8kn
Vertical	2.2kn
Auto functions	Heading, depth, altitude
Navigation	ROV DP
Hydraulic power (total)	150hp (112kW)
Tooling power	(isolated) 50hp (37kW)

TOOLING PACKAGES

Twin Hydrolek camera boom arms with pan and tilt
 Northfield Hydraulics 38mm cable cutter
 Perry Slingsby class 1-4 torque tool
 Perry Slingsby upright flying lead orientation tool (FLOT)
 TSS440 pipe and cable tracker
 Velocious Sea Squirt fluid injection system

**Optional factory-configured tooling packages can be configured specific to customers' needs.
 Detailed information is available upon request.**

SURVEY KITS

Survey kit 1	2 composite video channels, 1 Ethernet channel, 4 serial (RS232) channels
Survey kit 2	2 GB Ethernet channels 2 Ethernet channels



INSTRUMENTS/TOOLING

Hydraulic channels	
Valve pack 1	12ch iHCU (15LPM)
Valve pack 2	Zetechtics Jupiter 2 Dual Torque Tool Control System, 2ch iHCU (95LPM), 12ch iHCU (15LPM)
Video capability	6 x composite channels 2 x HDTV channels
Gyro	NS FOG
Lighting	6 dimmable LED lights
Manipulators	Schilling Conan 7F Positive Feedback (T4 compatible) Schilling Atlas 7F Rate Controlled, heavy duty
Sonar	
Kongsberg Mesotech	1171 Series Multi-Frequency, High-Resolution Sonar Head
Kongsberg Mesotech	MS 1000 Scanning Sonar Processor

CONTROL CABIN

Control cabin	20ft, A60 ISO
Control system	SMD Distributed Vehicle Control System (DVECSII) SCADA ROV control hardware designed for ease of use with powerful graphical feedback on vehicle sub-systems Dual touch screens TFT video wall
Incoming power supply	380V-480VAC

COMPREHENSIVE SERVICES

Let us help you move forward

EDT and Eclipse Group strive to provide our clients with the highly qualified personnel and technical solutions.

Our comprehensive service lines include:

- Marine services
- Vessel operations and management
- Subsea services
 - ROV operations
 - Diving operations
- Government services
- Civil and military air crash investigation
- Construction and infrastructure
 - Survey
 - Cable and pipeline installation

Our mission is to become a leader in comprehensive subsea and ROV services worldwide. We welcome the opportunity to discuss our services with your organization.



EXPERIENCE IN DEPTH

— 2,000m

Our professional team is second to none in the execution of search, investigation and recovery operations.

— 4,000m

Our experts have worked at the forefront of subsea and ROV operations for over 25 years.

— 6,000m



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