Engineering
Excellence
Underwater

SMD ATOM®

- Reduced deck footprint
- Extended operational windows
- User friendly operating system
- Ease of maintenance
- Super-compact deck footprint available

Compact. Capable. Ready for anything.

Designed for operations where deck space is limited but there is no space for compromise on power and performance. Combining true work class capability with a smaller deck footprint, Atom can lower vessel and mobilisation costs whilst giving you the power to undertake demanding operations. Ideal for light construction, survey and intervention tasks across offshore energy, telecoms and survey applications. Atom's high power to size ratio makes it an effective performer in high currents.

- Reduced deck footprint for lower vessel cost without compromising on capability
- Outstanding performance in high current for increased operational windows
- User friendly operating system
- Powerful, proven curvetech® components for fast changeouts, ease of maintenance and peace of mind
- Available in super-compact deck footprint for shallow water free-flying operations

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SMD Atom®
Product Specifications

GENERAL	
Type	Compact
Depth rating	Up to 4000 msw

DIMENSIONS	
Length	2600 mm
Width	1500 mm
Height	1600 mm
Weight in air	2000 kg
Payload	150 kg
Through frame lift	1500 kg

PERFORMANCE	
Power transmission	AC
Power	100hp (75 kW)
Bollard pull:	
Forward/aft	575 kgf
Lateral	575 kgf
Vertical	320 kgf
Surface performance:	
Forward/aft	3.5 kn
Lateral	2.8 kn
Vertical	2.0 kn

AUTO FUNCTIONS	
Heading	Yes
Depth	Yes
Altitude	Yes
ROV Dynamic Positioning	Yes
Advance Flight Control	

THRUSTER CONFIGURATION	
Thrusters	Curvetech®
Horizonal vectored	4× Curvetech HTE 300
Vertical	2× Curvetech HTE 300

TOOLING	
Compatibility	Survey / NDT / Light IM
Standard hydraulic power unit	10ch iHCU (15LPM), 1ch (high flow)
Configurable hydraulic stations	Torque tool controller
Interchangeable modules	2ch iHCU (95LPM)

INSTRUMENTS	
Standard Port availability	28x total
Additional port availability	Additional port capacity potential via external multiplexer
Serial Comm/Connectivity	24x 24Vdc with RS232/ RS485, 1x Responder ports, Optional PPS Pulse 1x 110 Vac, 9x RS485, 6x RS232
Video capability	6x channels composite + 2x HDTV channels
Ethernet Capacity	Up to 2 Gbps
Additional ports for Survey POD	Fibre and power
4k Camera option	N/A
Lighting	2x HID + 6x LED
Gyro	Sprint NAV Mini Optional INS port
Camera pan/tilt	1x electric
Manipulator	1 x 7F pos feedback (T4 compatible)
Grabber	1 x 5F (rate, heavy duty)

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SMD Atom®
Product Specifications

TMS	
Type	Compact TMS
Tether capacity	500 m
Slipring Fibre Passes	2

CONTROL CABIN	
Standard	20 ft A60 High Cube ISO control cabin
Control system standard	SMD DVECSII ROV control hardware. 4× 43" 4K in video wall configuration
Standard incoming power supply	380–480 VAC 3 phase 60–50 Hz
Optional	690 VAC 3 phase 60–50 Hz

DECK EQUIPMENT OPTIONS	
Typical LARs System	6Te SWL LARS
A-Frame	Telescopic A-Frame
Winch	Hydraulic
Winch capacity	3500 m
HPU	75 kW HPU
Slipring Fibre Passes	3
Energy Dissipation	NA

SMD ARTEMIS™ CABLE TRACKING	
Detection Range	
Passive	Up to 10 m
Active	Up to 5 m
Vertical measurement accuracy	+/-5% plus 5 cm
Depth rating	2000 m

OTHER	
Best for	Compact vessels & light-duty missions
SMD Horizon® ready?	Yes

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SMD Customisation Service

In order to meet your specific requirements SMD can customise our vehicles using our range of standard components to suit your preference and performance requirements.

24/7 Support

Our world-class product range is backed by 24/7 support from our best-in-class SMD Support Services team, because our commitment to you doesn't stop when our product is delivered.
Our end-to-end support system optimises the performance of our products giving you confidence your SMD kit will perform. For more information on our support services click here.

Turnkey Solutions

We offer turn key solution for all products, get in touch to find out more.

The most compact work class ROV on the market.

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