

Argus Worker XL 6000msw Work-Class ROV Systems



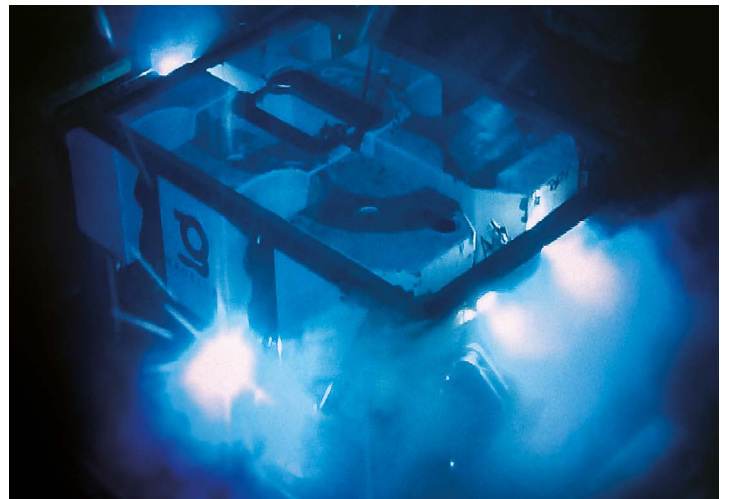
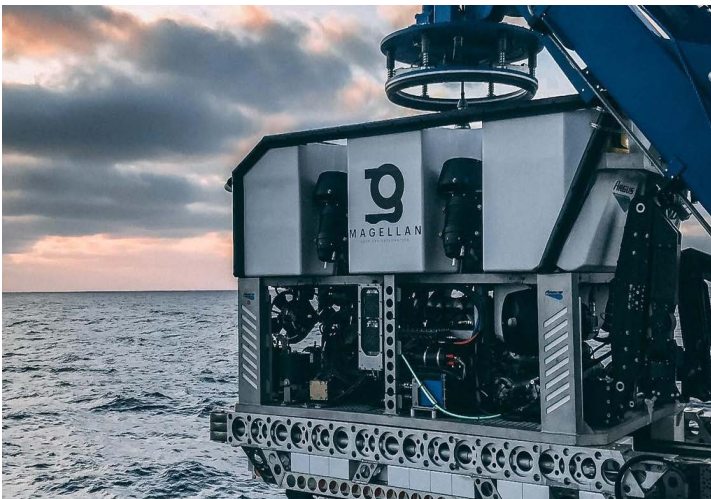
The Argus Worker system is Work Class ROV with 175 HP.

The vehicles are powered by 8 thrusters. 4 horizontal vectored in 40 deg in front, 35 deg in rear and 4 vertical thrusters in 20 deg. These provide full three-dimensional control and the ability to operate in high current environments.

With a through-frame lifting capacity of 3.0 Te and a free-swimming msw of 6000m the systems are ideally suited for Drillsupport, IMR, surveying and construction support activities. The systems also have a 6kw hydraulic power

pack for manipulators and a 18kw HP hydraulic power pack for tooling. This, in addition to spare connectors fitted to the survey junction box, facilitate the addition of a wide variety of mission-specific equipment.

The systems currently operate with 1 x Kraft Predator, 7 function master/ slave manipulator with force feedback mounted on the starboard side and 1 x Schilling Atlas with proportional valves mounted on the port side. Magellan also operates an ROV mounted, 6000m rated, Teledyne T50S dual head high resolution multibeam sonar system.



1st Floor Tudor House
Le Bordage, St Peter Port
GY1 1DB, Guernsey

E: operations@magellan.gg
www.magellan.gg

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General

Dimensions

Length	2.8m
Width	1.8m
Height	1.7m
Weight	4170kg
Payload	250kg
Frame	Aluminium
Pods	Hard anodised Aluminium
Depth Rating	6000msw
Through frame lift	3 ton

PERFORMANCE

Bollard pull fwd	590kg
Lat	540kg
Vert	750kg
Speed fwd	3kn
Speed Lat	2kn
Vert	2kn

No drop in performance when using vertical and horizontal thrusters simultaneously, as opposed to hydraulic subs.

Video recording equipment

HDTV Video system transmitting HD-SDI from the camera to the surface.

HD Video overlay and a HD Video Recorder. Digital Edge DVR HD

LARS / Winch

Lidan LARS system Free Flying to 6000m depth
Umbilical 6500m 19.7mm O/D

Current equipment

Manipulators	1 x 7 function Schilling Atlas 1 x 7 function Kraft Predator
Cameras	1 x F/Z HDTV 1080p camera 1 x Lowlight Black & White camera 2 x Utility cameras
Sonar	Kongsberg 1171/1071 HD Imaging head Blueview M900/2250-130
Altimeter	Mesotech 1007
Lights	6 x 130W LED Lights, 6500 Kelvin gives 90,000 lumen in total
Pan & Tilt	2x 24VDC Pan & Tilt 1x 24VDC Tilt
Depth sensor	SAIV TD303, equal to digiquartz
Heading Ref	KVH C-100 Fluxgate Sprint NAV 500
Auto functions	Auto Head, Auto Depth, Auto Altitude, Station keep
Hydraulics	HPU1 6kw 9 lpm /200 bar HPU2 18kw 40 lpm /200bar
Survey sensors	9 x survey outlets fitted for RS-232 4 x Ethernet ch Sonardyne Sprint Nav 500 INS Additional on request

Surface controls

Control Container	20 ft container
Power distribution panel	Fitted Megacon GDI for power safety
Control Console	Integrated joysticks in pilot chair Interated touch screen 1 19 inch rack Video overlay 2 x ergonomic pilot chairs
Workshop Container	20 feet container

