

# Argus Bathysaurus XL

## 6000msw free flying system



- Medium Work Class ROV. 100 HP
- Up to 7000 metres depth rated
- 7 function Schilling Titan 4 Manipulator
- 5 function Schilling Rigmaster Manipulator
- Through frame lifting capacity of 1.0 Te
- For Scientific, Military, Salvage

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### TECHNICAL SPECIFICATIONS

#### General

Dimensions:	
Length	:2,5m
Width	:1,6m
Height	:1,6m
Weight	:2900kg
Payload	:200kg
Frame	: Buoyancy covered with fiberglass
Pods	:Titanium
Connectors	:Titanium
Buoyancy	:Syntactic foam
Depth rating	:6000msw
Through frame lift	:1 ton

#### Power requirements

ROV/HPU Power input	:440VAC , 75kW , 3-phase
Thrusters	:8 x electric, 4 Horizontal and 4 vertical
HPU Manipulators	:6kW, 210bar-9lpm
HPU Tooling	:18kW, 210bar-40lpm

#### Performance

Bollard pull fwd	:400kg
lat	:400kg
vert	:560kg
Speed fwd	:2,5-3kn
vert	:2kn

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

#### Surface controls

Control Container	:20" feet container
Power distribution panel	:Fitted LIMS for Power safety
Control Console	:Integrated joysticks in pilot chair Integrated touch screen 19" inch rack Argus Video overlay HD Hard Disk Recorder 1 x ergonomic pilot chair 1 x ergonomic co-pilot chair
Workshop Container	:20" feet container 4000VAC power to ROV



#### Standard equipment fit

Manipulators	:1x5 function Schilling Rigmaster 1x7 function Schilling T4
Cameras	:1 x F/Z HDTV 1080i camera 3 x Insite Lowlight Black & White camera 2 x Insite Colour cameras
Sonar	:Mesotech MS1000
Altimeter	:Mesotech 1007
Lights	:6 x 130W LED Lights, gives 90 000 lumen, 6500 Kelvin in total
Pan & Tilt	:2 x 24VDC
Depth sensor	:SAIV TD303, equal to digiquartz
Compass	:KVH C-100 Fluxgate Rate Gyro TOGS North seeking Gyro
Auto functions	:Auto Head Auto Depth Auto Altitude
Hyd outlets	:8 outlets fitted, additional on request
Survey sensors	:9 x survey outlets fitted for RS-232, 1 x Ethernet and 1 x MBE channel, additional on request

#### Video recording equipment

HDTV Video system transmitting HD-SDI from the camera to the surface. HD Video overlay and a HD Video Recorder.

#### LARS/Winch

Winch power input	:86kW, 60Hz, 3-phase
Umbilical	:6500m , 17mm OD
Dimensions	:7m x 2,6m x 3,9m
Slipring	:Focal 176 , 4 fiber pass
Weight excl. ROV and umb	:approx. 13 tons

