

SEAHORSE 1 ROV SYSTEM

Seahorse 1 remotely operated vehicle is a 100 HP. Work Class ROV, high performance professional ROV system with Garage TMS which can be used for a variety of underwater tasks such as drilling support, observation, survey and NDT inspections, construction, intervention, IRM, etc. The stainless steel open-frame design, the abundance of space and the generous payload capability provide a versatile solution for the fitting of additional equipment and sensors.



Seahorse 1 Work Class ROV System

100 HP of Hydraulic Power

- Compact work class
- Auto heading, depth, altitude, auto park
- Serial, Video, Ethernet via single mode fibre
- HD camera capability (IP)
- PC Based control system
- Survey sensor integrated capacity



GENERAL SPECIFICATIONS

Depth rating:	1000 msw
Dimensions (L x W x H):	2.8 x 1.6 x 1.9 m
Weight in air:	3 ton
Through- frame lift:	1.0 ton
Payload:	200kg

PERFORMANCE

Power:	100 HP
Thrusters (Horizontal):	4 x SA300
Thrusters (Vertical):	3 x Innerspace
Forward, aft, lateral BP:	650 kg
Vertical up pull:	450 kg
Forward, aft speed:	3.0 knots
Lateral, Vertical speed:	2.5 Knots

AUTO FUNCTIONS

Auto heading:	± 2.5 degrees
Auto depth:	± 15 cm
Auto altitude:	± 15 cm

SENSORS

Gyro (MRU):	Tritech iGC
Navigation compass:	Tritech
Depth Sensor:	Digiquarts
DVL:	Optional
Altimeter:	Kongsberg 807
Sonar:	Kongsberg MS 1000

CAMERAS & LIGHTS

First Pan & Tilt:	1 x Tritech Hydraulic
Second Pan & Tilt:	Optional
Low light B/W:	1
Colour CCD Zoom:	1
Colour CCD Fixed focus:	2
Dimmable lights:	4
Flood lights:	2

MANIPULATORS

7 Function:	Schilling Orion
5 Function:	Slingsby TA16

TOP HAT MANAGEMENT SYSTEM

Free fly, no TMS

CONTROL, WORKSHOP CONTAINERS

Control:	20 feet ISO
Work Shop:	10 feet ISO

LAUNCH & RECOVERY SYSTEM

Type:	A-Frame
Dimensions (L x W x H):	6.0 x 2,99 x 3.5 m
Max height:	6.0 m
A-Frame weight:	9 ton
Winch (L x W x H):	2.0 x 2,5 x 2.5 m
Winch weight:	7 ton
Winch max umbilical:	1000 m
HPU (L x W x H):	Integrated in winch
HPU Weight:	N/A

STANDARD OPERATIONAL LIMITS

Beaufort:	6
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ELECTRICAL REQUIRMENTS

ROV, Control van:	380/480 VAC, 50/60 Hz 3PH, 250A
LARS:	400/460 VAC, 50/60 Hz 3PH, 150A

ROAD TRANSPORTATION

Numbers of trucks:	3
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