

SEAHORSE 4 ROV SYSTEM

Seahorse 4 remotely operated vehicle is a 125 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 4 Work Class ROV System

125 HP of Hydraulic Power

- Compact work class
- Auto heading, depth, altitude, auto park
- Serial, Video, Ethernet via multi 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): | 2.5 x 1.6 x 1.9 m |
| Weight in air: | 2.8 ton |
| Through- frame lift: | 1.0 ton |
| Payload: | 200kg |

PERFORMANCE

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|---------------------------|------------|
| Power: | 125 HP |
| Thrusters (Horizontal): | 4 x 350 mm |
| Thrusters (Vertical): | 4 x 200 mm |
| Forward, aft, lateral BP: | 750 kg |
| Vertical up pull: | 450 kg |
| Forward, aft speed: | 3.5 knots |
| Lateral, Vertical speed: | 2.5 Knots |

AUTO FUNCTIONS

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

SENSORS

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

CAMERAS & LIGHTS

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|-------------------------|-----------------------|
| 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/Conan |
| 5 Function: | Whittaker 5F |

TMS Cage type

| | |
|---------------------|-------------------|
| Dimensions (LxWxH): | 4,2 x 2,3 x 4,1 m |
| Weight in air: | 2 ton |
| Max tether length: | 400 m |
| Depth sensor: | Transponder |
| Colour camera: | 2 |
| Lights: | 2 |

CONTROL, WORKSHOP CONTAINERS

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|------------|-------------|
| Control: | 20 feet ISO |
| Work Shop: | 20 feet ISO |

LAUNCH & RECOVERY SYSTEM

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|-------------------------|-------------------|
| Type: | A-Frame |
| Dimensions (L x W x H): | 6.0 x 4.5 x 3.5 m |
| Max height: | 10 m |
| A-Frame weight: | 24 ton |
| Winch (L x W x H): | 2.5 x 4.0 x 2.5 m |
| Winch weight: | 12 ton |
| Winch max umbilical: | 1,500 m |
| HPU (L x W x H): | 3,0 x 1,5 x 1,8 |
| HPU Weight: | 3 ton |

STANDARD OPERATIONAL LIMITS

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| Beaufort: | 6 |
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ELECTRICAL REQUIRMENTS

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

ROAD TRANSPORTATION

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|--------------------|-----|
| Numbers of trucks: | 3-4 |
|--------------------|-----|