



## Mock ROV

### **Configurable Work Class Mock ROV System**

This former Velocious Australia has added to its portfolio of innovative subsea engineering and remote technology services through the development of a new Mock ROV.

Unlike most industry Mock ROVs, the Velocious Mock ROV has been designed and can be configured to any industry-standard workclass ROV, including the six most widely used ROVs in subsea construction.

The Mock ROV fills an important gap, enabling Velocious to deliver complete and independent end-to-end solutions for System Integration Testing of subsea hardware.

The MROV incorporates hydraulic power and controls, lights, cameras and manipulators, replicating every feature of a subsea ROV.

The Mock ROV can be stored and transported in a custom built container, which enables it to be easily packaged and transported to even the most remote locations across the Asia-Pacific region.

### **Features:**

Fully configurable to geometrically represent industry standard ROV's encompassing all major manufacturers.

Industry standard Schilling Titan 3 & Rigmaster Manipulators complete with multiple jaw configurations.

# DATA SHEET

DS-0079

Multiple manipulator mounts for different manipulators types and positions.

Industry standard Kongsberg camera system, LED bezel tooling camera & Trittech Pan & Tilt units, expandable to four cameras.

2 x LED lights onboard.

Fully equipped and ready to deploy 20ft control container includes features such as MROV storage, workshop facilities, Air conditioning, oil storage, operator control station (monitors, recording with overlay, simple to use control system) and a first aid station.

50m of Tether for work site flexibility.

50m tethered remote emergency stop.

Multiple slinging configurations & removable ballast for easy MROV angular orientation.

Detachable castors for ease of manoeuvrability.

Configurable receptacle mounts allow fitment of underslung ROV attachments such as ROVCON units, Fluid Injection Skids etc.

500kg Rear lift frame capacity.

2 tonne underslung lift capacity.

Onboard 210bar, 36 lpm Hydraulic Power Unit, capable of operating in 50degC ambient temperature.

4 Spare NG3 valves fitted with pressure reducers, flow controllers and removable cross port check valves.

4 Spare NG6 valves fitted with pressure reducers, flow controllers and removable cross port check valves.

Interfaces for 3rd party tools and control systems (Torque tools, FLOTs, Jupiters).

Custom control interfaces available.



## Structural Specifications:

WLL	3575 kg
Through frame lift	1775 kg
Weight in air (MROV)	1800 kg
Weight in air (deployable 20 ft container)	6000 kg

## Equipment Fit Specifications:

Port manipulator	Schilling Rigmaster,
Starboard Manipulator	Schilling Titan 3
Kongsberg OE14-366	
Pan & Tilt Unit	Trittech Hydraulic Units

## Hydraulic Specifications:

Pump	28 cc Rexroth A10VO28
Maximum operating pressure	210 bar
Maximum flow	34 lpm @ 200bar
Spare functions	8 (4 x 17 lpm, 4 x 35 lpm)
Ambient capability	50 deg C

## Electrical Specifications:

HPU Electrical Drive	15 kW WEG (1440 RPM)
3rd Party tool power available	24VDC, 110VAC, 240VAC
Jupiter control system Interface	
Fathom system hardware interface	
Custom tool support available	