

Roto Climber MK1

The Roto Climber MK1 was designed and built specifically for the cleaning, visual inspection and wall thickness measurements on conductors, piles, risers and Caissons. It comes at a time when ageing offshore platforms are in constant need of maintenance to ensure maximum safety and reliability.

The lightweight, easy to assemble and simple device is structurally robust and easy to deploy in the dangerous 'Splash Zone' areas of oil and gas platforms, therefore eliminating the high risk faced by off-shore divers and other maintenance personnel when trying to maintain some of the most difficult locations to access.



Instruments

Camera system: dual colour video camera system
 UVAS 100 RL with built in depth sensor.

Including:

- Surface unit with splittable 17" screen, 3 way video selector (video1 / video 2 on full screen or video 1 + 2 on split screen), embedded PC, soft keyboard, soft pad, camera lighting intensity control, serial ports: USBx3, HDMI, Ethernet, record button, text overlay.
- 2x HD video cameras integrated in stainless steel casing with integrated LED lighting.
- PLC hub.
- 150 PLC tether with connectors (surface unit to PLC hub).
- 2x 5m cable whips (Ethernet) with connectors (PLC hub to cameras).
- All in one transport Pelicase.

Ultrasonic thickness measurement

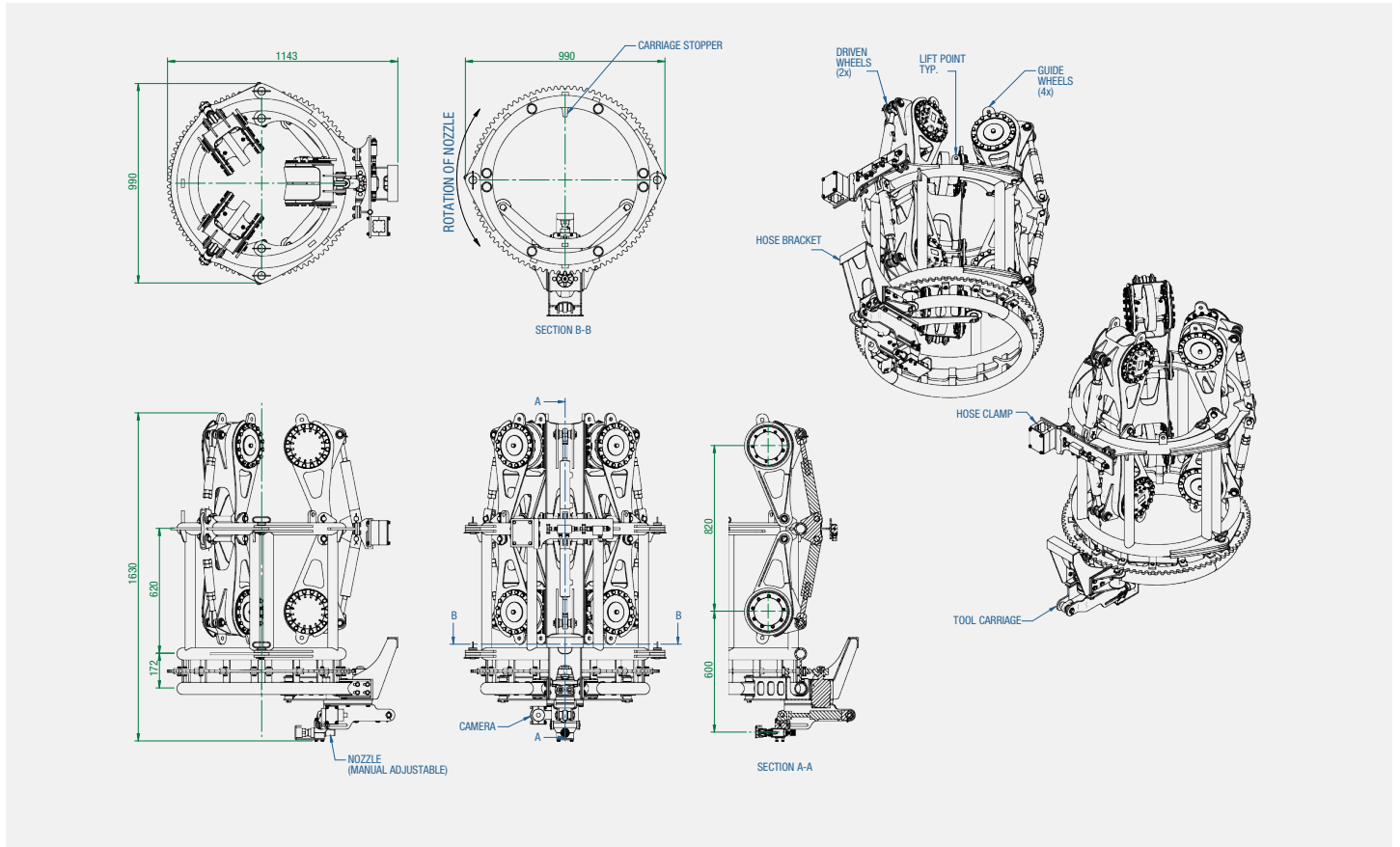
- Cygnus ROV 2K MK5 UTG kit depth rated to 2,000 m (6,526 ft).
- Can measure through coatings 20 mm thick.
- CYG Link windows software for real time data logging and commenting.
- Panasonic tough book computer.

Cleaning systems

- Ultra-High Pressure Cleaning using twin barracuda nozzles operating at 2,000 bars pressure.
OR
- Cavijet Cleaning using twin nozzles at pressures up to 4,000 p.s.i and 10 g.p.m. per nozzle.

	MK1 Small	MK1 Large
Pipe Diameter Range:	9 5/8" to 22"	22" to 36"
Hydraulic Working Pressure:	350 Bar	210 Bar
Travelling speed:	25 mm/sec	25 mm/sec
Carriage Travel speed:	100 mm/sec	100 mm/sec
Dimension: (L x W x H):	1025 x 1000 x 1500 mm	1470 x 1350 x 1530 mm
Weight:	230 Kgs	270 Kgs
Depth Rating Normal:	30 meters	30 meters
Depth Rating extended:	200 meters	200 meters

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Roto Climber MK1 Large 22" to 36"

