

Roto Climber MK 2

The modular design of the Roto Climber MK 2 allows it to perform a multitude of functions necessary during the lifetime of an offshore conductor, riser, caisson or platform leg. This highly adaptable device can be assembled to meet the need of even the most specific tasks, with work packages that can be attached above, below or on both ends of the Traction Module.

The end result means that the Roto Climber MK 2 can clean, perform close visual inspection and phased array mapping, and re-coat a surface all in one operation, with high attention to detail and unrivalled precision in all areas. This provides platform owners with considerable savings both in time and cost.



Camera system

- 3 x DWE Explorer HD 2.0 units
- Image sensors: Sony IMX323 1/2.9
- Resolution: 1920 x 1080 px
- Viewing angle: 150 degrees diagonal (in water)

UT probe

- Cygnus ROV Mountable 2K ultra sonic thickness gauge.

Sensors

- Wheel encoders and two carriage encoders.

Cleaning systems

- Caviblaster 2040D with twin Caviblaster 1040 L nozzles.

Optional CP probe

- Polatrak Deep C Metre 300
- No ROV interface
- Battery powered

Optional clamp by-pass module

- For travel over riser or caisson clamps.

Optional phased array system

- Optional Olympus Focus PX with HydroForm buggy.

Additional options

- UHP abrasive cutting head module
- Drilling module
- Laser scanning module

	MK 2 Small	MK 2 Large
Traction module		
Pipe diameter range:	8" to 22"	22" to 36"
Hydraulic working pressure:	250 bar	250 bar
Travelling speed:	25 mm / sec	25 mm / sec
Dimension: (L x W x H):	1830 x 1300 x 1390 mm	1520 x 1680 x 1680 mm
Weight:	411 kg	425 kg
Depth rating normal	100 m	100 m
Depth rating extended	200 m	200 m

MK 2 Add-on module specifications

	MK 2 Small	MK 2 Large
Powered wheel module		
Dimension: (L x W x H):	TBA	TBA
Weight:	TBA	TBA
Clamp by-pass module		
Dimension: (L x W x H):	TBA	TBA
Weight:	TBA	TBA
Cleaning CVI and PA UT module		
Dimension: (L x W x H):	1360 x 1200 x 1200 mm	1530 x 1900 x 1900 mm
Weight:	220 kg	350 kg
Cutting module		
Dimension: (L x W x H):	1360 x 1200x 1200 mm	1530 x 1900 x 1900 mm
Weight:	220 kg	350 kg
Wrapping module		
Dimension: (L x W x H):	2000 x 1200 x 1200 mm	2300 x 1900 x 1900 mm
Weight:	TBA	TBA
Drilling module		
Dimension: (L x W x H):	1000 x 1200 x 1200 mm	1000 x 1900 x 1900 mm
Weight:	TBA	TBA
Coating module		
Dimension: (L x W x H):	2000 x 1200 x 1200 mm	2300 x 1900 x 1900 mm
Weight:	TBA	TBA
Clamp servicing module		
Dimension: (L x W x H):	2000 x 1200 x 1200 mm	2300 x 1900 x 1900 mm
Weight:	TBA	TBA
Laser scanning module		
Dimension: (L x W x H):	1000 x 1200 x 1200 mm	1000 x 1900 x 1900 mm
Weight:	TBA	TBA

Other modules can be designed to match customer requirements.