

Mariscope Meerestechnik started the development of ROVs in the early 90s and the initial sales of industrial quality ROVS started in 1994. Nowadays, Mariscope is one of the very few remaining companies that is still owned by its founder, Christian Haag.

Over the years Mariscope has specialized in the manufacturing of customized ROVs, towed systems, deep sea cameras and oceanographic equipments.

The product range of ROVs goes from compact systems to work-class units.

Moreover, Mariscope is the only manufacturer worldwide to give a life time warranty on its systems, without a limitation of working hours.

Stainless steel and aluminum housings, rugged stainless steel frames and complete modular components are some of the main features of the entire systems.

As of all Mariscope ROVs, The new MK II is manufactured with AISI 316L stainless steel, TIG hand-welded and cristal blasted. The complete modular design allows the individual customization of the system. Most ROVs have preformed flotation devices with fixed payloads. In the case of the Mariscope ROVs, the flotation can be changed according to the equipments installed on board of the vehicle.

Payload may vary up to 100 % if necessary. Easy to adapt is the main key of Mariscope's ROVs.

MK II is equipped with 5 vectorized thrusters. 2 verticals, 2 horizontal and 1

lateral.

Full HD /4K cameras in the front installed with high output LED floodlights on individual tilting mechanisms which provides unique video quality.

The wireless steering console and the wireless video transmission combined with the video console and recording unit, all of them installed in Pelican cases, makes the system highly transportable and flexible.

The umbilical is a special ROV cable with a neutral buoyancy in sea water. Its diameter is 16 mm and has a Kevlar reinforcement allowing a tensile force of 2000Kg.



Highly Reliable
Technology

“Control Vans, Built in Control stations, Electric Winches and other special equipments available on demand.”

“Mariscope: we build your Ideas”

Technical specifications

Dimensions (LxWxH):	1000x600x500mm (variations possible)
Weight:	45-95Kg depending of equipment.
Operating depth:	100m - 500m
Electric power :	230vAC / 2,5Kw
Speed:	3 knots (5 knots for SF)
Propulsion:	2 x 300W horizontal (2 X600W for SF), 1 x 300w vertical and 1 x 300w lateral power.
Front camera on tilting mechanism:	Full HD or 4K camera options according to the actual latest camera systems.
Rear fixed camera:	Full HD or 4K camera options according to the actual latest camera systems.
Light:	High output LED flood light, fixed and on tilting mechanism
Tilting:	Light and camera are tilted simultaneously
Umbilical:	Multipolar, highly flexible (PUR) umbilical with Kevlar reinforcement. Breaking strength of 2 tons, length 100 - 500m.
Compass:	Digital.
Auto depth, auto dive and auto heading functions as standard.	
Depth meter:	Digital.
Cable reel:	For 100 – 500m cable with slip rings.

Consoles: Wireless steering and video console, including recording unit & video goggles

Stainless steel surface transport push cart.

Optional Systems

- External GPS with its overlay on screen.
- External text overlay on screen.
- Additional rear light.
- Laser pointers.
- Recording system on customer's request.
- Temperature, salinity, chlorophyll sensors.
- CO₂ Sensor
- Oil in water sensor
- CH₄ Sensor
- Sonars: side-scan and forward-looking.
- One function manipulator.
- Additional B/W rear camera
- Tracking system.



designed,
engineered &
made in Germany