

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 for all Mariscope ROVs, The new MK III is manufactured with AISI 316L stainless steel, TIG hand-welded and crystal 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 equipment installed on board of the vehicle.

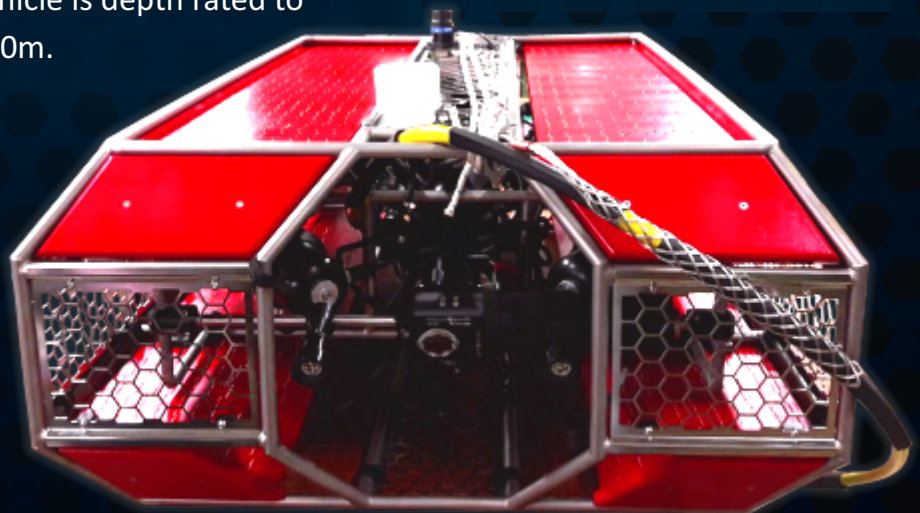
Payload may vary up to 100% if necessary. Easy to adapt is the main key of Mariscope's ROVs.

MK III is equipped with 6 vectorized thrusters. The vehicle is depth rated to 500m.

Full HD /4K cameras in the front and in the back, installed with high output LED floodlights, on individual tilting mechanisms a wick provides a 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 wick is neutrally buoyant on sea water. Its diameter is 16mm 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): 1200x800x500mm (variations possible)
- Weight: 80-150Kg depending upon the equipment.
- Cable reel: For 100 - 500m. Standard cable reel of AISI 316L stainless steel. Gold plated slip rings.
- Electric power: 230vAC / 5 to 8 Kw
- Speed: 5 knots
- Limited life time warranty.
- Electrical thrusters for permanent 24 x 7 use.
- Auto pilot and auto depth functions.
- Cable with more than 2000 kg breaking strength and neutral buoyancy.
- Variable payload.
- Special multi - color lighting based on Cluster LED technology.
- Frame: Stainless steel frame.
- Thrusters: 6 Thrusters with 300W power each. 4 diagonal (vectorized), 2 verticals.
- Depth Rating: Operation depth up to 500m as standard. Deeper going vehicles on demand.

- Front and rear camera on tilting mechanism: Full HD or 4K camera options according to the actual latest camera systems.
- Consoles: Wireless steering and video console, including recording unit & video goggles

Optional Systems

- Special cameras: On demand
- Special Sonars: High definition and imaging sonars for underwater detection on demand.
- Tracking systems: Different types of USBL tracking systems available on demand.
- Display: Thruster temperature and thruster speed, alarm for blocked thruster. Joystick position control. Tilt angle indication for both cameras.
- Special sensors for CO₂, H₂S, CTDO, oil in water measurements.
- Special sediment corers.
- Manipulator: Single or multi-function manipulators available. (Electric or Hydraulic driven.)



designed,
engineered &
made in Germany