

ROV SOLUTIONS



**MEKE
SUBSEA**
≡

444 63 53
mekesubsea.com

SAAB FALCON

The Falcon is one of the most successful ROV systems in its class. It has proven itself across numerous complex and demanding missions in commercial, security, and scientific sectors



With superior vehicle control and diagnostic data, along with customizable pilot displays and control station features, it can be tailored to meet specific operational needs. Its powerful thrusters provide both precise maneuverability and stable positioning in strong currents and turbulent waters. Equipped with a navigation pod, multiple LED lights, and a high-resolution camera, it is always ready for advanced inspection and exploration tasks.

- Dimensions: 1 m x 50 cm x 60 cm
- Weight: 60 kg
- Speed: 3 knots
- Depth rating: 300 m

HYDROLEK HLK-43000

5-FUNCTION MANIPULATOR

This manipulator has been specifically developed to provide manipulation capabilities for observation-class ROVs. It is ideal for tasks such as debris removal, rope cutting, biological and geological sampling, archaeological operations, wreck recovery, and salvage missions.



Utilizing the HLK-21020 jaw rotator, it features a wrist with 180° rotation capability, a 90 mm (3.5") jaw opening, and an integrated rope cutter on the side plates capable of cutting soft rope up to 6 mm in diameter. Instead of traditional position-controlled movement, it operates with fully operator-controlled proportional speed control.

- 5-function manipulator
- Lifting capacity of 10 kg payload when fully extended
- 180° wrist rotation range and 90 mm (3.5") jaw opening
- 6 mm (1/4") soft rope cutting capacity
- Weight in air: 8.4 kg (18.5 lb)
- Weight in water: 4.2 kg (9.24 lb)
- Operational depth limit: 3000 msw (9,840 ft)
- Maximum reach: 660 mm (26")
- Proportional control capability
- Metal types used: 316 Stainless Steel, 6082 Aluminum, HDPE
- Seal material types: Nitrile/NBR/Buna-N, PTFE
- Product coating: hard anodized, painted
- Ports: 1/8" BSPP (ISO 1179)
- Max. operating pressure: 80 bar (1160 psi)
- Hydraulic flow: 0.5 lpm to 6 lpm (0.13 gpm to 1.58 gpm)
- Fluid type (mineral): DIN 51524, ISO 11158, ISO 6743-4
- Fluid temperature: 5-60°C (41-140°F)
- Cleanliness classification: ISO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C
- Wrist torque: 8.2 Nm at 80 bar (6 lbf.ft at 60 psi)
- Jaw force: 124 N at 80 bar (27.9 lbf at 1160 psi)
- Operating temperature: 5-60°C (41-140°F)
- Storage temperature: 0-70°C (32-158°F)

BlueROV2

BlueROV2 is a high-performance and highly configurable underwater ROV designed for inspection, research, and exploration applications. It is equipped with a 1080p low-light camera featuring tilt capability, enabling clear and adaptable visual monitoring.



The system can be configured with lighting solutions delivering up to 6,000 lumens for enhanced visibility in low-light environments. Its vectored thruster configuration provides precise omnidirectional maneuverability, with options for 6 or 8 thrusters to improve stability and control. The vehicle is rated for depths of up to 100 meters with an acrylic enclosure and up to 300 meters with an anodized aluminum enclosure.

The open-frame architecture allows for easy integration of additional equipment, enabling flexible adaptation to a wide range of mission profiles. It is suitable for applications such as search and rescue, scientific research, inspection, and training.

The system operates with the Navigator flight controller and BlueOS software, and is remotely controlled via a computer and a compatible controller. It can be customized with various enclosure types, tether options, lighting configurations, and accessories. A computer, battery, and charger are required for operation.

MEKE SUBSEA



444 63 53
mekesubsea.com