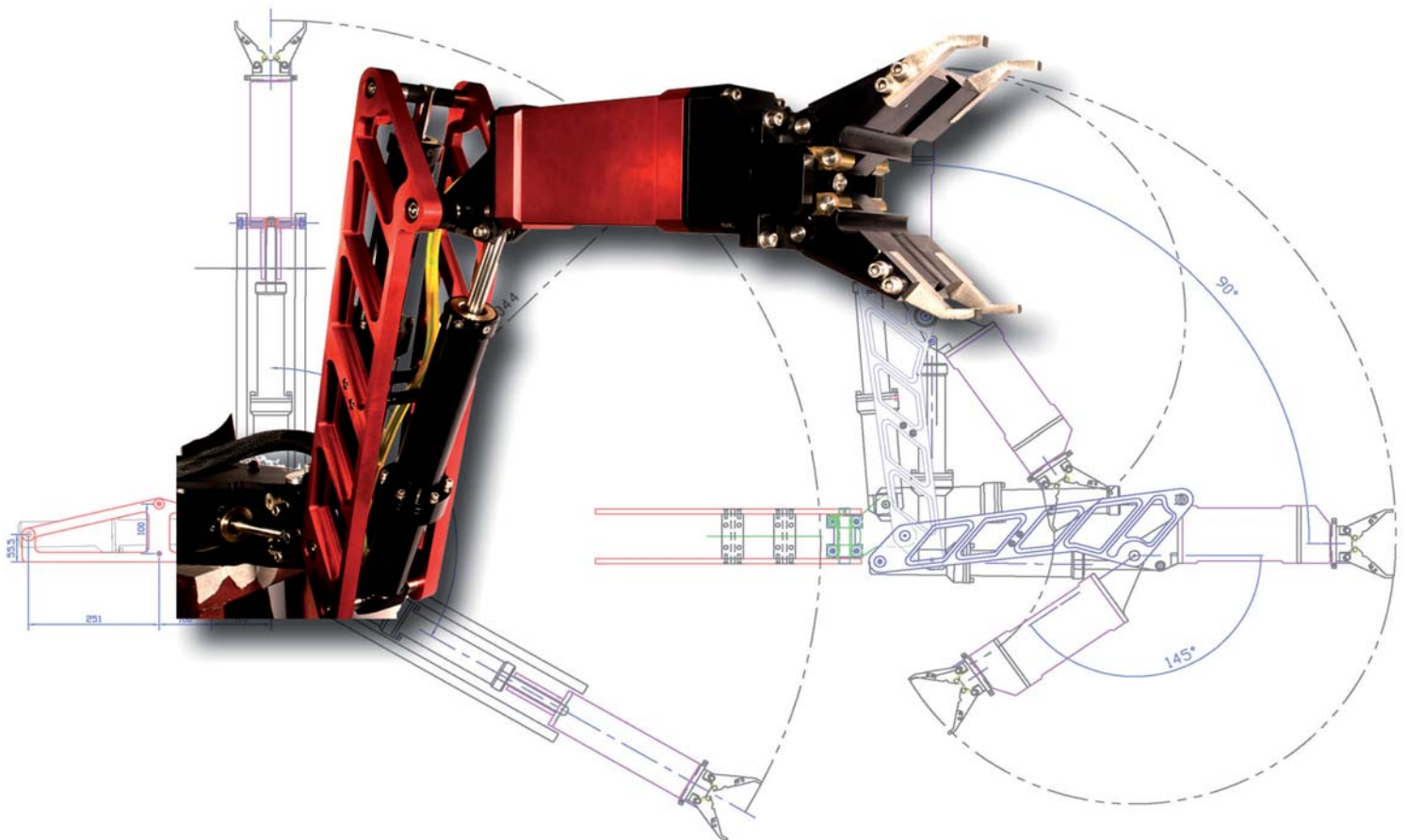




ARM 5E

5 Function **ELECTRIC** Manipulator ARM



The **ONLY 5 function ELECTRIC** Manipulator Arm existing worldwide can be integrated on any Remote Controlled Subsea Vehicle.

Main missions for Offshore & Military applications:

- underwater intervention
- underwater manipulation
- object retrieval

ARM 5E

5 Function **ELECTRIC** Manipulator ARM

Main advantages

- Modular construction for easy maintenance / repair on deck
- Depth rating 3000m
- Light weight
- Lifting capacity 25 kg minimum

General characteristics

- **Slew** : 120°
- **Elevation** : 90°
- **Elbow bend** : 145°
- **Jaw rotate** : continuous
- **Material** : Aluminium alloy hard anodised 316 Stainless steel
Nickel Aluminium Bronze
Modular design for ease of repair
- **Weight in air** : 27Kg
- **Weight in water** : 18.5Kg
- **Lift at full reach** : 25Kg @ 24 VDC, 5 Amps
- **Jaw pressure** : 15 Kg Minimum
- **Typical depth rating** : 3000 metres
- **Link options** : RS232, RS485, Fibre
- **Power requirements** : 24-30VDC 5 Amps maximum
- Various jaw options available
- Integrated camera option
- Motors brushless DC running in oil
- All system voids are oil-filled and compensated 0.4 bar above ambient to prevent water ingress
- System operated via dedicated surface and subsea electronics units, providing full proportional control from stop to full speed

ECA reserves the right to vary the specifications and details contained in this publication