

AGEOTEC ROV *Pegaso*



KEY FEATURES

- Thrusters: 2 vertical and 4 vectored Ageotec TH-TK 4
- Operating depth: 2000 m
- Dimensions: 1800 mm (L) x 1100 mm (W) x 1300 mm (H)
- Weight in air: 800 kg
- Chassis: Polyethylene H.D. and Stainless steel load frame and lift points
- 3 Video channels: Zoom, focus and still camera controls provided as standard
- Ageotec & Calzoni high resolution Colour & B/W cameras standards mounted on Pan&Tilt
- Three light lines (different options on request)
- Power requirements: 400÷440VAC tri-phase 50÷60Hz 45 kW
- Payload: Up to 150 kg
- Manipulators: from one to 6 functions manipulator available in different configuration mounted on a dedicated SKID

STRUCTURE/FRAME AND FITTING

Modular chassis manufactured in high impact resistant Polyethylene maintenance free and non-corroding. Any chassis member can be easily replaced and additional equipment may be bolted directly onto it. Hard stainless steel AISI 316 loading frame and lift points. All pressure housings are manufactured in Alu-minium Anticorodal 6060

PROPULSION

2 vertical and 4 horizontal state of the art vectored Ageotec TK4 DC brushless thrusters, magnetic coupling.

- Vertical thrust 110 kg
- Forward thrust 140 kg
- Lateral Thrust 100 kg

PAYLOAD

Up to 150 Kg

UMBILICAL

2000 m with TMS (1200 m free-flight)

BUOYANCY AND BALLAST

Glass reinforced epoxy floating with apertures provided for 2 acoustic positioning transponders

UNDERWATER TOOLS / MANIPULATORS

One or two multifunctional manipulators up to 6 function, skid mounted

CAMERA / VIDEO / LIGHTING

3 video channels. Zoom, focus and still camera controls provided as standard.

led lamps lighting line with intensity control are available as standard on two individually controlled channels.

Pan&Tilt with feedback position displayed on pilot monitor is standard. Joystick's control provides an accurate control

NAVIGATION / TRACKING

Fluxgate compass unit with solid state rate gyro sensor featuring high azimuth stability; Electronic depth sensor. Standard functions: Auto-heading and Auto-depth. Optional function auto-altitude with altimeter

OPERATIONAL DEPTH RATING

2000 m

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DEPLOYMENT SYSTEM

Options include: LARS (Launch and Recovery System); TMS (Tether Management System); ROV control cabin

VEHICLE POWER REQUIREMENTS

400 VAC 3-phase 50 Hz 40 kW 3-phase outlet skid and TMS (other versions on request)

OPERATING / MAINTENANCE CREW

2/3 persons

DEPLOYMENT MODE

Options include: LARS (Launch and Recovery System); TMS (Tether Management System); ROV control cabin

OPTIONS

- Optional Cathodic Protection (CP) Probe
- HD camera
- Inertial Navigation System
- Multi-beam Echosounders
- Panoramic sonar
- Dual head profiler system
- Bathymetric system
- Altimeter
- Pipe Tracker
- Current-meter or underwater metal detector

Custom configurations available on request

SYSTEM DIMENSIONS

	VEHICLE	12 U CONSOLE		METAL CABINET
		w. cover	w/o cover	Power Cabinet
Length (mm)	1800	550	540	800
Width (mm)	1100	770	570	600
Height (mm)	1300	320	310	1400
Weight in Air (kg)	600	-	22.0	400



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