

AGEOTEC ROV PEGASO

Light-work Class Remotely Operated Vehicle

Leveraging more than two decades' experience in coastal and offshore surveying and construction characterizing the AGEOTEC series, the Pegaso represents the perfect light-work solution within our wide range of underwater vehicles.

STRUCTURE FRAME AND FITTING

Pegaso features a modular chassis manufactured in high impact resistant polypropylene, totally maintenance-free and non-corroding. All chassis members can be easily replaced and any additional equipment may be bolted directly onto them. Pressure housings are in anticorodal 6060 aluminum.

PROPULSION

Two vertical and four vectored thrusters, featuring magnetically coupled propellers:

- > 110 Kgf vertical thrust
- > 140 Kgf forward thrust
- > 100 Kgf lateral thrust

SENSORS

The vehicle is equipped with an inertial measurement unit providing high accuracy heading position. A digital pressure sensor provides the depth value with high stability. Water ingress, line insulation, temperature and thrusters feedback are part of the sensors included in the diagnostic features. Auto-heading and auto-depth functions are standard. Auto-altitude is also available.

BUOYANCY & PAYLOAD

One encapsulated high density foam block, provides up to 80 kg of expandable payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.

VIDEO & LIGHTS

As many as three uncompressed HD cameras in real-time, mounted on a pan & tilt unit or on the ROV chassis.

The standard camera features:

- > 1080p, 60fps resolution
- > HD-SDI interface
- > Three flood LED lights, providing 20K lumens each of diffused light
- > Four spot LED lights, providing 4K lumens each



2000 msw

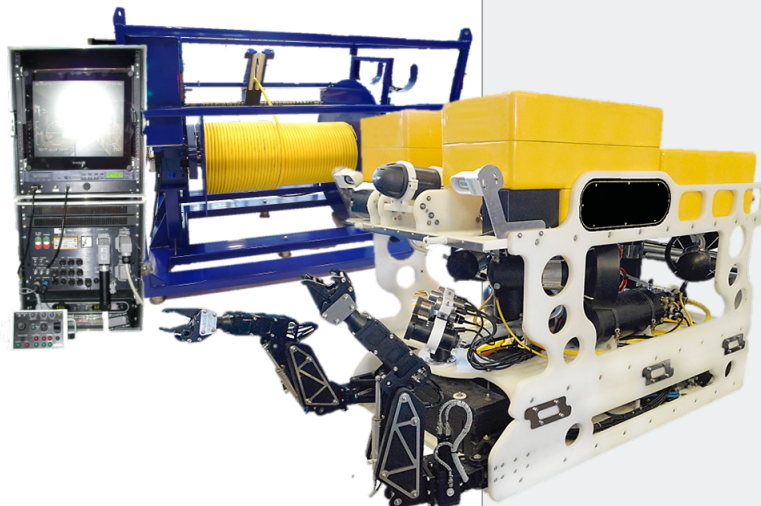
MAX DEPTH

600 kg

WEIGHT

Featuring:

- > 1800x1100x1300 mm dimensions
- > Three uncompressed HD cameras
- > Up to 150 Kg payload
- > Extremely tough and reliable structure, for the harshest conditions



ROV SURFACE UNIT

The surface unit is composed of two 12U rack flight cases - one for control and supply of the vehicle and the other for video monitoring and recording as well as positioning system or instrumentation control units.

VIDEO OVERLAY

The standard HD video overlay is capable of displaying all the essential data for the pilot such as: heading, depth, pitch & roll, date & time, CP probe (if fitted), user comments and external data input.

POWER REQUIREMENT

- > ROV: 400 VAC - 50/60 Hz, 35 kW
- > Winch: 400 VAC - 50/60 Hz, 7,5 kW

	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KGS)
Vehicle dimensions	1800	1100	1300	600
RSU dimensions	800	600	1400	400
Winch dimensions	1570	1680	2200	1450



AGEOTEC ROV PEGASO

LIGHT-WORK CLASS REMOTELY OPERATED VEHICLE

Light-work vehicle, work class performance.

ACCESSORIES

AGEOTEC ROV Pegasus can be customized using many accessories, including:

- > CP probe
- > Imaging sonar: mechanical/multibeam
- > Ultrasonic thickness gauge
- > USBL position system
- > Up to five-functions manipulator
- > External camera
- > Multi-beam echosounder
- > Additional lights
- > Laser scaling system
- > Pipe and cable tracker
- > Cutting tools, cleaning brush, water jet



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