# AGEOTEC

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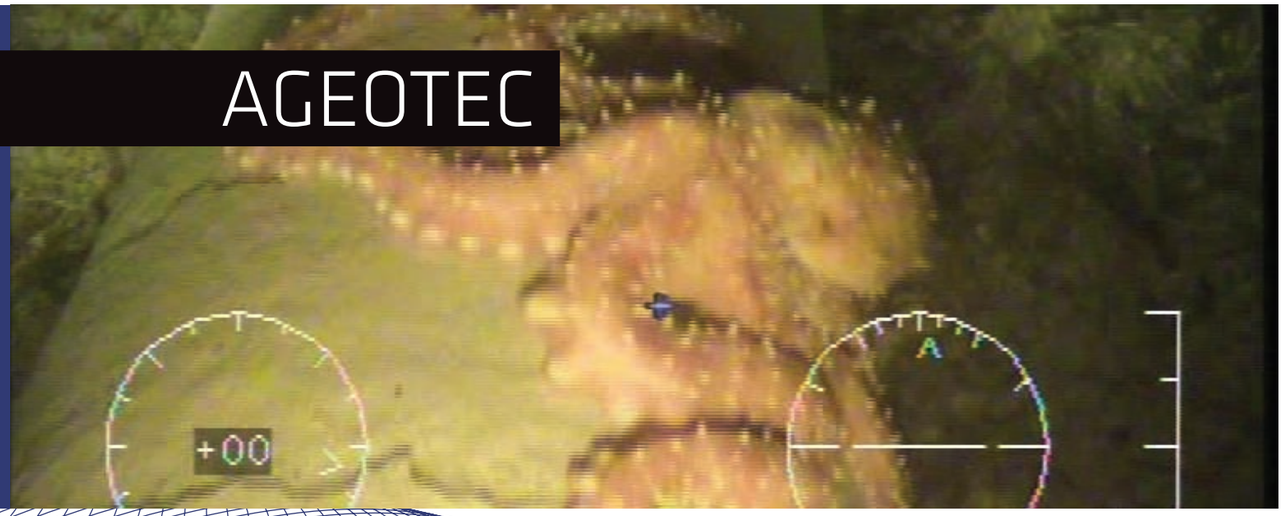


Type multipurpose rov

Model pegaso */ new product*



www.ageotec.com

IMCA Supplier Member
International Marine Contractors Association www.imca-int.com

Model

# pegaso

Work capabilities

# visual and instrumental

Type

multipurpose rov

On the basis of real needs of those people working with the ROVS,
**AGEOTEC** conceived a wide range of vehicles characterized by fundamental features, unique in the world scenery thanks to:

> Compactness and easy handling, due to a properly conceived control software, more powerful thrusters but smaller in dimensions, so as to allow an easy use even in adverse environment.
> Wide band" concept, applied as a rule to connection via cable, by means of the Fibre Optic use on vehicles, guarantees data transmission and communication of any kind of information between ROVS and the surface.
> Easy management and maintenance of vehicles, due to the supply of a complete kit of spare parts and to the use of very high quality components, easy to find all over the world, allowing to reduce the general costs of work, but increasing at the same time the value of initial investment at the highest levels
> High customization in the attempt to meet the customer's request due to the particular modularity of the vehicles

All this meets with passion and notable skill of technicians and engineers, as well as with the Company's availability to study together with the customer the features of the project to be carried out, so as to find most efficient solutions by using the most suitable instruments.


**Dimension**

| | |
|---|---|
| length | 1500 mm |
| width | 1000 mm |
| hight | 800 mm |
| weight in air | 350 kg |

**Structure / frame and fitting**
Modular chassis manufactured in high impact resistant polypropylene. This material is totally maintenance free and non-corroding. Any chassis member can be easily replaced and all the additional equipment may be bolted directly onto. Stainless steel load frame and lift points, all pressure housing are manufactured in aluminium anticorodal 6060.

| | |
|---|---|
| **Operation depth** | 600 mt free fly configuration<br>1500 mt with tms |
| **Hp and propulsion** | 2 vertical and 4 vectored tecnadyne 1060 dc brushless thrusters (no particular maintenance required)<br><br>> vertical thrust 100 kg<br>> forward thrust 140 kg<br>> lateral thrust 90 kg |
| **Speed** | 3.2 kn |
| **Payload** | adjustable between 40 kg and 60 kg |
| **Umbilical** | 600mt free fly<br>1500mt with tms (150mt tether) |

**Buoyancy and ballast**
Glass reinforced epoxy floating (4 blocks) with apertures provided for sonar and acoustic positioning transponder.

**U. water. tools / manipulator**
Optional multifunctional manipulator

**Camera / video / lighting**
3 video-channels. zoom, focus and still camera controls provided as standard. Nautec high resolution colour & b/w cameras are standard. Two light lines of 2 x 150w lamps with control intensify regulator. Tilt with feedback position displayed on pilot monitor is standard. joystick's control provides an accurate tilt angle.

**Instrumentation**
Optional cp probe, inertial navigation system, multi-beam echosounders, panoramic sonar, bathymetric system, altimeter, current-meter or underwater metal detector can be installed, their value can be displayed also on pilot monitor.

**Navigation / tracking**
fluxgate compass unit with solid state rate gyro sensor provides high azimuth stability; electronic depth sensor; auto-heading and auto-depth functions are standard.

**Deployment system**
Optional lars and tms

**Support ship requirements**
Pilot monitor and video-recorder are fitted in standard rack chassis or under different clients requirements. The surface electronic control is fitted in 6u rack and power supply for vehicle is fitted in 9u cabinet. The nautec video overlay as standard provides digital compass data, date, time, tilt icon position depth, cp probe or metal detector value.
Vehicle equipment data may be exported to clients' survey and navigation computer. All the instrumentation data fitted on board of rovs converted by f bre optic demultiplexer.

**Vehicle power requirements**
400÷440 vac tri-phase 50÷60hz 25kw with 600mt umbilical (other standard on request)

**Operating / maintenance crew**
2

**Additional data**
Options include: lars (launch and recovery system); rov control cabin; tms (tether management system); sit camera; colour camera; sonar system, cp probe; underwater metal detector, acoustic positioning system; multifunction mini-manipulator, spare kit; technical training program; specialist configuration to satisfy clients' requirements.

**** subject to change without notice***