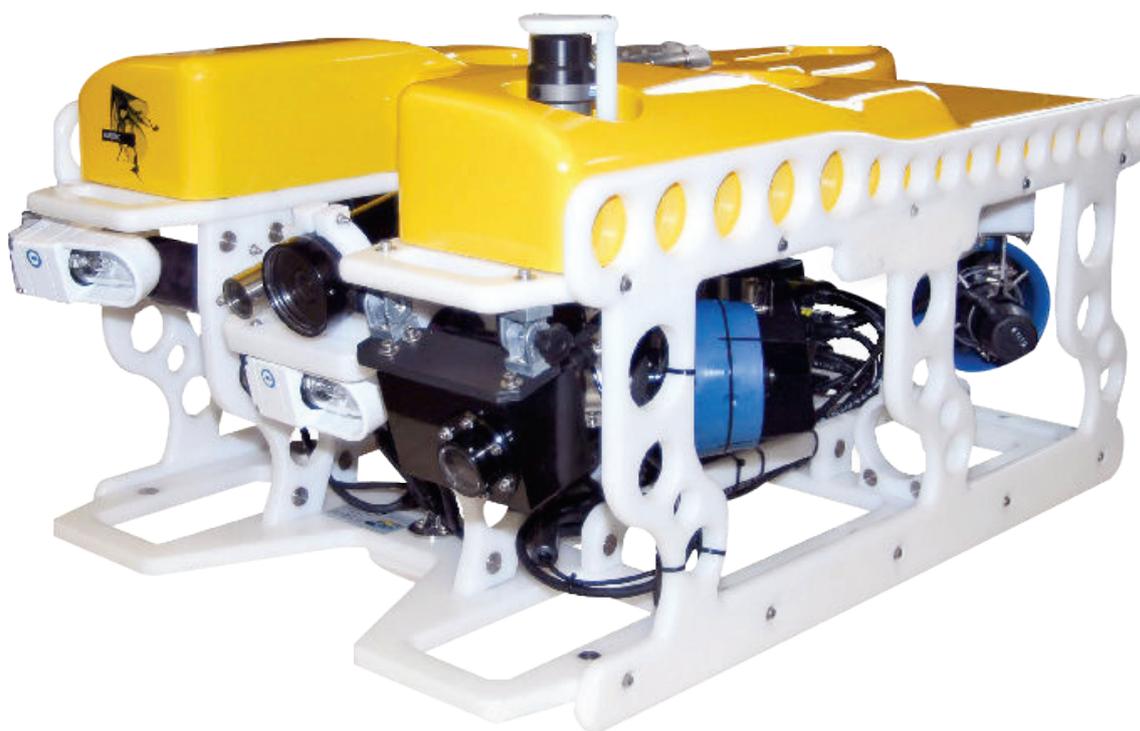


AGEOTEC

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# Perseo

Class 2 - Visual and Instrumental Inspections ROV



## KEY FEATURES

- Operating depth: 600 m
- Dimensions: 980x710x510 mm
- Weight: 80 kg
- Chassis: High Impact Resistant Maintenance Free Polyethylene
- High resolution B/W camera sensibility 0.05 LUX
- High resolution colour camera
- 2 x 150 W lamps with joystick control intensity regulator
- Power requirements: 230÷400 VAC single phase 50÷60Hz 6 kW
- Payload: Adjustable between 8 kg and 15 kg

## STRUCTURE/FRAME AND FITTING

Modular Chassis manufactured in high impact resistant Polyethylene, totally maintenance free and non-corroding. All chassis members can be easily replaced and any additional equipment may be bolted directly onto. Stainless steel load frame and lift points. Pressure housing manufactured in Anticorodal Aluminium 6060

## OPERATING DEPTH

600 m (deeper available)

## PROPULSION

2 vertical and 4 vectored DC brushless thrusters (no maintenance required):

- Downward thrust 22 kg
- Forward thrust 35 kg
- Lateral thrust 25 kg

## CAMERA/ VIDEO/ LIGHTING

2 video-channels. High resolution cameras Colour 86 is standard as well black&white camera BW42.

2x150 W halogen lamps with control intensify regulator. Tilt with feedback position displayed on pilot monitor is standard a joystick potentiometer providing an accurate tilt angle

## INSTRUMENTATION

Optional Chatodic Protection Probe or underwater metal detector with values displayed on pilot monitor

## NAVIGATION/ TRACKING

Flux-gate compass unit with solid state rate gyro sensor providing high azimuth stability; electronic depth sensor; standard auto-heading and Auto-depth functions

## DEPLOYMENT SYSTEM

Optional LARS and TMS

## SURFACE CONTROL UNIT

Pilot monitor and video-recorder are fitted in 15U Flight-case with the surface electronic control and power supply. AGEOTEC video overlay provides digital compass data, date & time, tilt icon position depth, CP Probe or Metal detector values. Vehicle equipment data may be exported to clients's survey and navigation computer

## VEHICLE POWER REQUIREMENTS

220 VAC single phase 50÷60 Hz 6 kW  
400 VAC 3-phase 50÷60 Hz 6 kW on request

## PAYLOAD

Adjustable between 8 kg and 15 kg

## UMBILICAL

Ø 16.5 mm, n.7 Power conductors, n.4 Fibre Optic lines

## BUOYANCY

Modular floating with apertures provided for sonar and acoustic positioning transponder

## UNDERWATER TOOLS / MANIPULATOR

Optional multifunctional manipulator skid

## OPTIONS

LARS (launch and recovery system)

TMS (tether management system)

ROV control cabin

SIT camera

Extra Colour or BW cameras

Scanning sonar system

Dual head profiler

Bathymetric system

CP Probe

Underwater metal detector

Acoustic positioning system

Multifunction mini-manipulator

Spare kit

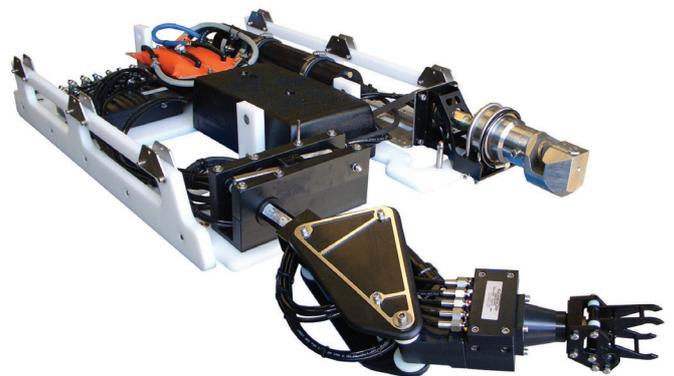
Technical training program

Custom configurations available on request

## SYSTEM DIMENSIONS

	VEHICLE	15 U CONSOLE		WINCH
		w. cover	w/o cover	
Length (mm)	980	550	540	1590
Width (mm)	710	770	570	800
Depth (mm)	510	730	720	1100
Weight in Air (kg)	80.0	-	65.0	270/400*
F.O. Umbilical (m)	-	-	-	350

\*winch chassis only / winch & umbilical



subject to change without notice\*

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