

AGEOTEC

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# Perseo<sup>GTV</sup>

Class 2 - Multipurpose ROV



## KEY FEATURES

- Operating depth: standard 1500 m (deeper available)
- Dimensions: 1300x950x700 mm
- Weight: 170 kg
- Chassis: High Impact Resistant Maintenance Free Polyethylene
- High resolution monochrome camera sensibility 0.001 LUX
- High resolution colour camera sensibility 0.1 Lux
- 2 x 150 W halogen lamps with remote intensity control
- Power requirements: 400 VAC 3-phase 50÷60Hz
- Payload: Adjustable between 18 kg and 40 kg

## OPERATING DEPTH

- Vehicle standard configuration: 1500 m rating
- Deeper rating available

## STRUCTURE/FRAME AND FITTING

Modular Chassis manufactured in high impact resistant Polyethylene, totally maintenance-free and non-corroding. All chassis member can be easily replaced and any additional equipment may be bolted directly onto it. Lift points manufactured in stainless steel. Pressure housings are in anticorodal aluminum 6060

## PROPULSION

2 vertical and 4 vectored thrusters DC brushless 1500 m depth, magnetic coupling propeller (no maintenance required):

- Downward thrust 48 kg
- Forward thrust 70 kg
- Lateral Thrust 50 kg

## BUOYANCY

Modular floating with apertures provided for sonar and acoustic positioning transponder

## PAYLOAD

From 18 kg w/o additional buoyancy module, up to 40 kg

## UMBILICAL CABLE

Ø 22 mm, provides power and allows four optical fibres

## VEHICLE POWER REQUIREMENTS

400 VAC 3-phase 50÷60 Hz, 10kW

Note: power requirement for free flight operation w/o LARS and TMS

## DEPLOYMENT SYSTEM

Optional LARS and TMS

## VIDEO AND DATA LINES

Standard: Fiber Optics MUX with 2 video channel and 4 Data channel. Multimode optical fiber.

Upgrade: Additional FO MUX, Ethernet FO Converter, Single mode optical fiber

## CAMERAS/VIDEO

3 real time high resolution video channels, main cameras, 1 switched video channel, manipulator or rear camera. Basic configuration:

1 High Resolution Monochrome Camera, 570 TVL, 0,001 LUX, 1/3ccd and 1x High Resolution Colour Camera, 480 LTV, 0.1 lux, 1/3 CCD

## NAVIGATION/TRACKING

Flux-gate compass unit with solid state rate gyro sensor featuring high azimuth stability; electronic depth sensor.

Standard functions: Auto-heading and Auto-depth.

Auto-altitude function available on request, when altimeter sensor is fitted

## SURFACE CONTROL UNIT

Standard 19" rack flight case (12 U or 15 U), containing switching power supply modules and 6 U rack for control and interface electronics

## VIDEO AND RECORDING UNIT

Standard 19" rack flight case (12 U) , containing 17" LCD monitor and videorecorder

## OPTIONAL INSTRUMENTATION

Scanning sonar system

Additional Colour or B/W cameras

Acoustic positioning system

CP Probe (contact or proximity)

Ultrasonic thickness probe

Bathymetric system

Pipe and Cable tracker

Custom tooling skid

Multifunctional manipulator (skid mounted)

Water jet system - 2.5 kW 440 VAC 3 - phase outlet (on request)

Custom configurations available on request

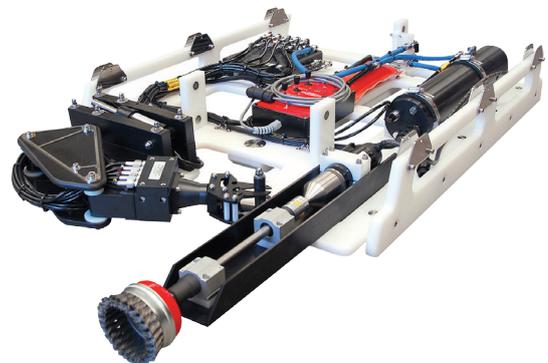
## SYSTEM DIMENSIONS

	VEHICLE	SURFACE PSU CONSOLE*** w/cover
Length (mm)	1300	550
Width (mm)	950	770
Depth (mm)	700*	730
Weight in Air (kg)	170**	65

\* sonar protection excluded, w/o auxiliary skid

\*\* w/o auxiliary instrumentation

\*\*\* indicative with PSU for 800 m of umbilical cable



subject to change without notice\*

## Headquarters & Sales: LIGHTHOUSE SpA

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