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AC-ROV Thickness Gauge / Laser Scaling

The market leading **AC-ROV** Underwater Inspection System is now available with two further capability options. A Thickness Gauge for measuring metal thickness in locations previously inaccessible to divers, other ROVs and underwater inspection systems, AND a Laser Scaling head for the relative measurement of surface defects, anomalies or any target within its view.

Thickness Gauge

Thickness measurement is an established integrity monitoring technique in industry. Offshore or onshore, the **AC-ROV** can now deploy a thickness sensor in support of your maintenance, safety and survey requirements of any underwater metal. The vehicle mounted probe **reduces inspection time and diver costs**. There is no specialist training requirements resulting in fast, accurate and repeatable results. Measurements can be taken through coatings as there is no need for special surface preparation, coating or corrosion removal. Measurements can also be electronically stored for report generation.

- **Greatly Reduce Inspection Time and Costs**
- **No special surface cleaning or preparation required**
- **Accepted by major Classification Societies**

Inline with the **AC-ROV** ethos of mobility, portability and robustness the solution is an integrated arrangement of the Cygnus multiple echo diver and ROV deployable thickness sensor. The outcome retains the clean, robust and snag free shape of the **AC-ROV**, whilst the top side hardware and interface is 100% Cygnus standard.

The market leading mobility of the **AC-ROV** enables complete “**ORBITAL**” thickness measurement. A capability never before available by ROV without a manipulator. The first truly comprehensive small ROV thickness inspection capability.

- **Unrivalled Ingress and Inspection Capability**
- **Robust, Serviceable and fully Integrated Design**
- **Unique “ORBITAL” Inspection Capability**

Laser Scaling

The **AC-ROV** Laser Scaling system is a fully integrated twin laser unit that projects two parallel laser beams onto any target giving an **exact indication** of scale. In a market first, the **AC-ROV** Laser Scaling system utilises **variable intensity** lasers so beam strength can be adjusted according to the conditions without compromising video quality.

- **Variable Intensity**
- **Simple ‘no modification’ Retrofit**
- **Recordable Results**

Another integrated and simple retro-fit **AC-ROV** capability solution combining proven technologies.

