

SUCCESS STORY: Pelican-Hardigg Cut-and-Weld Case CW8012-1003 & CW7312-1003

Overview:

A Pelican-Hardigg cut and weld case was made from an AL6912-1003 and used with a custom deck suspension interior developed for an Autonomous Underwater Vehicle (AUV). The case system created was for an underwater vehicle so it was not required to keep water out, but instead to protect the AUV from shock/impact and featured a unique drain system to allow cleaning and flushing of the AUV.

THE STORY:

Sales Manager:

- Expand our custom foam capabilities into unique metal/roto designs to protect equipment
- The case needed to feature a internally mounted holding system for the unit as well as be able to drain excess water from the AUV and withstand flushing of water to clean the unit for future uses
- Edge casters and multiple handles were necessary to create a 2 man movable case

Customer Profile:

AUV Developer

Business Challenge:

- Develop a custom size case for the customer in small quantities without machining a new mold
- Create a custom mounting system from specifications given by customer

Business Benefits:

- Proven flexibility and packaging design for rotational molded cut-and-weld cases
- Creation of a new size without investing in a new mold
- Shows advantage of design teams and create custom solutions besides foam through Pelican-Hardigg engineers

Solution Overview:

- Utilized the Cut-and Weld service to create a custom sized case without the cost of a new mold (CW8012-1003 & CW7312-1003)
- Developed custom interior with shock mounted design to cradle the AUV during transport. Interior is water friendly/non corrosive



Questions?

Director of Product Management: Dinis Jablonski
413-665-2163 ext 2221
dinis.jablonski@pelican.com