WE DON’T MAKE HISTORY.
WE HELP KEEP IT ON COURSE.

MISSION CRITICAL:
CUSTOM CASE SOLUTIONS FOR AEROSPACE AND DEFENSE
Pelican-Hardigg ™ Single Lid Case
with custom engine mounts: the smart way to store and transport auxiliary power units (APU) for the aviation industry.
ELIMINATE LOGISTICAL RISKS WITH ADVANCED CASE SOLUTIONS

4 STAGE CUSTOM ENGINEERING PROCESS:

- Product Specifications
- Customer Performance Needs
- Product Interface and Access Points
- Stability, Impact and Drop Requirements
- Environmental and Field Conditions
- Vent and Pressure Requirements
- Mobility and Freight Compliance

- CAD, 2D Layout and Solid Models
- G-Force Mapping and Applied Cushioning Curve
- Tooling Design
- Equipment Support and Cradle Design
- Part Isolation and Sway Space Planning
- Usage and Operation Optimization
- Environmental Analysis

- Shock and Vibration Attenuation
- Submersion and Rain Resistance
- Shear Force Testing
- Dust Particulate Ingress
- G-Force at Specified Drop Heights
- Extreme Temperature Tolerances
- MIL-Spec Testing

- Warranted Parts and Accessories
- Engineered to Specifications
- Integration of Customer Parts and Accessories per Functional Specifications
- Quality Control Testing and Inspection
- On Time Delivery
- Technical Support

Custom Case Solutions are the result of a multi-disciplinary, 4-stage process. Working closely with your team, our engineers can customize a protective system according to your product specifications, usage and environmental analysis.

CASE MANUFACTURING
Pelican is the world leader in protective case solutions, earned over a 50 year long journey. Along the way we perfected injection molding, roto-molding and robotic assembly processes to deliver high quality cases consistently. The outcome is our Custom Case Solutions, your guarantee that every aspect of protecting your components and equipment is built right in. We supplement our primary case manufacturing plants with 8 regional facilities known as Advanced Case Centers.

METAL AND FOAM PROTECTION
Metal decks or cradles are used to secure heavy equipment, and elastomeric shock mounts isolate the metal fixture from the case shell. Shock absorbing foam is custom fit to your component, and a variety of densities and material compositions are available. Precise kitting of aircraft parts and tools can mitigate foreign object damage (FOD).

EVALUATION

PROTOTYPING AND TESTING

MANUFACTURING

ELECTRONIC INTERFACE
Installing your electronic controls in a Pelican case enables their use in any environment. Waterproof panel frames allow mounting an electronics dashboard, and various bulkhead connectors allow electronic connection even with the lid closed. Ultra fragile electronic equipment can be transported safely in Pelican-Hardigg mil-spec double end rackmount cases. With optional slide out frames and access from both ends. Rackmount cases enable sophisticated electronics to be deployed in any environment. Advanced Case Solutions take the guess work out of the equation.

CERTIFICATIONS* AND APPROVALS:

- IP67: Water resistance and dust ingress
- AIR TRANSPORT ASSOC. Spec 300 Category 1
- MIL-SPEC: Test reports available to certify military standards

*actual approvals vary by case design

A - Elastomeric Shock Mounts
B - Velcro Lock Down Straps
C - Metal Cradle
D - Reinforced Corners
E - Precision Routed Foam
F - Comfort Grip Handles
G - Tie Down Rings
H - Stainless Steel Latches
I - Skid Runners
J - Purge Valves
K - Strengthening Rails

ANATOMY OF A CUSTOM CASE SOLUTION
SOLUTIONS DELIVERED: CASE BY CASE
OVER 50 YEARS OF EXTREME APPLICATIONS HAVE FORGED OUR TECHNICAL EXPERTISE

UNMANNED AIRCRAFT VEHICLE
AIR TO AIR REFUELLING POD
METAL CRADLE
PORTABLE MECHANICS TOOL KIT
AIRCRAFT CANOPY DECK
C130 PROPELLER EXCHANGE KIT
ENGINE COMPRESSOR MODULE

IT’S ALL ABOUT THE MISSION
When an aircraft is in need of repair and crucial replacement parts arrive damaged, the result is lost revenue. If an aircraft is grounded, crucial repair parts must be in-stock and up to spec. The same applies to military operations — if the daily sortie count drops, the mission is at risk.

From keeping production on schedule to managing rotatable spares inventory, reusable packaging from Pelican is all about control.

THE PRODUCT
All Pelican Cases are dustproof and crushproof, and can be specified as breathable or watertight. Sizes can accommodate equipment from small electronics to massive fuel pods. There are four distinct lines of cases available: Pelican, Pelican-Storm, Pelican-Hardigg Single Lid, and ISP.

Traditional packaging methods may result in damaged equipment, and major expenses.

A The Pelican-Hardigg™ Single Lid case line contains over 325 sizes and can include optional features such as built in skid runners and bash plates for forklift transport. They are molded from lightweight, high-impact polyethylene, and are gasketed to prevent water ingress. Single Lid cases are customizable with a wide range of options.

C The new Pelican-Hardigg™ ISP Case line is the ideal solution for volume shipping. The unique inter stacking pattern (ISP) on the lid and the molded-in discs on the base eliminate load movement while maximizing cargo footprint.

A CASE FOR REPEAT USE PACKAGING
Studies have shown that a durable, permanent packaging solution in shipment and storage is a cost-effective alternative to disposable packaging. Single use, expendable packaging such as cardboard or wood crates, require time and labor for assembly and disposal, and increase in-transit risk.

With a Pelican™ case, the cost is amortized over its life. On some models, it’s recovered in as few as two trips.

Contact Pelican for your free ROI analysis.

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