

PELI™

ADVANCED CASE SOLUTIONS

FOR AEROSPACE & DEFENSE INDUSTRIES

ACS CATALOGUE

MARCH 2024

SINCE 1976

© UK MOD Crown Copyright 2019

CUSTOMISED CONTAINERS ENGINEERED TO PERFECTION



+ SINGLE LID CUSTOMISATION SERVICES

Advanced Case Solutions are the embodiment of Peli-Hardigg proficiencies across materials science, packaging engineering, project management and manufacturing. As the inventors of the industry standard cushioning curve formula, innovators in case design and experts in protecting high-tech military equipment – few challenges are beyond our capabilities. Our highly renown single lid containers have protected the most sensitive, state-of-the-art technologies deployed around the globe according to challenging specifications of the military and aerospace industries. We are experts at Mission Critical success.

We supplement our primary case manufacturing plants with European engineering offices in Germany, Spain and France.

+ 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). O-ring gaskets, forklift pockets, pressure relief valves and heavy duty spring loaded handles are other custom options that make a Peli-Hardigg™ case much more than a box. And our best-in-class quality inspection and continuous improvement programs guarantee that the last case is the same high quality as the first.





NEW PELI-HARDIGG™ LIGHT LIFT™ CASES

At 30%* lighter than our traditional heavy-duty roto moulded cases, the Peli-Hardigg™ Light Lift™ series allows for faster deployment and reduced shipping costs, without compromising protection.



SINGLE LID CASE FEATURES

- 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 Ribs

CERTIFICATIONS* AND APPROVALS:

IP67: Water resistance and dust ingress

AIR TRANSPORT ASSOC.: Spec 300 Category 1

MIL-Std 810, Def Stan 81 41 Level J
Test reports available to certify military standards

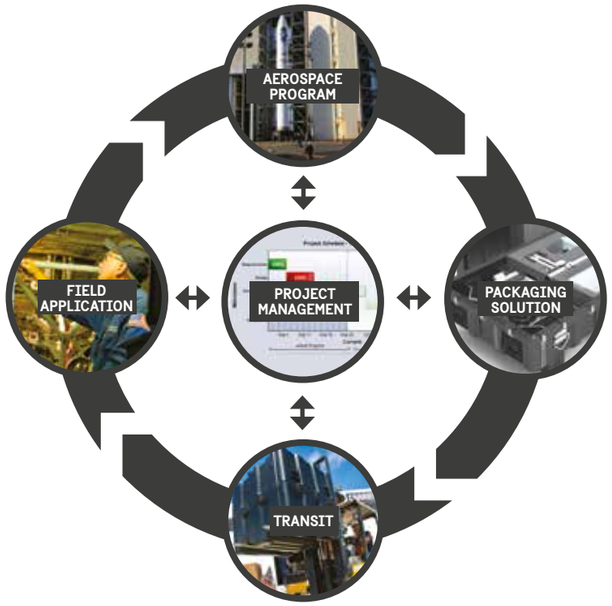
*actual approvals vary by case design

STATE-OF-THE-ART INTERIOR PROTECTION

Our internal teams have long-term experience in designing everything from simple foam cushions to extremely complex metal structures for use in dramatically diverse shipment, storage, and use conditions – including military deployments and combat situations. From deck-mounted equipment to bezel-mounted electronics with integrated exhaust fans to cases with multiple access points and interface portals or extended-profile customisations – no case requirement is beyond our capabilities.

In extreme temperatures, undergoing radical oscillation or direct impact, surrounded by water, chemicals or fine dust particulates – your product is protected inside our Advanced Case Solution. We control every stage of the process to ensure integrated performance of your part and our protective solution, from interior stabilisation to exterior hardware.

Investing in an Advanced Case Solution ensures your Mission Critical operations will not fail.



Peli's integrated process flow anticipates your unique protective packaging requirement



4 STAGE CUSTOM ENGINEERING PROCESS



EVALUATION

- » 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



DESIGN AND ENGINEERING

- » 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 Optimisation
- » Environmental Analysis



PROTOTYPING AND TESTING

- » 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



MANUFACTURING

- » 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

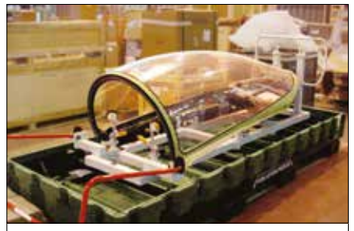
Advanced Case Solutions are the result of a multi-disciplinary, 4-stage process. Working closely with your team, our engineers can customise a protective system according to your product specifications, usage and environmental analysis.

SOLUTIONS DELIVERED: CASE BY CASE

+ **+60 YEARS OF EXTREME APPLICATIONS HAVE FORGED OUR TECHNICAL EXPERTISE.** CONTACT US FOR OTHER CASE STUDIES.



UNMANNED AIRCRAFT VEHICLE



AIRCRAFT CANOPY DECK



WEAPON GUIDANCE KIT



AIR TO AIR REFUELING POD



C130 PROPELLER EXCHANGE KIT



INDUSTRIAL TOOLS



SHOCK MOUNTED SOLUTION FOR UAV



WEAPON GUIDED FINS



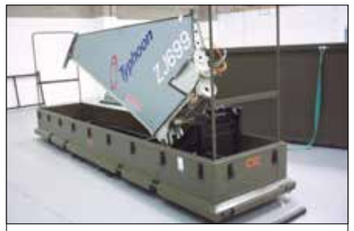
TURBO ENGINE PT6



PORTABLE MECHANICS TOOL KIT



ENGINE COMPRESSOR MODULE



EUROFIGHTER FIN

GERMAN, US AND AUSTRALIAN PRODUCTION FACILITIES
CLOSE CONNECTION WITH LOCAL MARKETS

Peli-Hardigg's regional custom case facilities, known as Advanced Case Centers, are located in Germany, United States (east and west coast) and Canada, and offer a full slate of protective solutions. Services offered include high-end CAD design, metal deck work, g-force-rated shock mount systems, advanced foam cushioning and fabricated frame systems.

Peli-Trimcast custom case solutions are designed and manufactured in Melbourne, Australia and offer additional solutions for international customers.

Our facilities are ISO 9001:2015 certified and our products NATO Codified.



+ PELI-TRIMCAST SOLUTIONS

Peli-Trimcast produces a range of Australian made standard and bespoke engineered packaging solutions for international customers. The solutions can include shock mitigating systems, such as customised interiors of rotomoulded cradles embedded in the case shape or custom foam inserts, ensuring maximum equipment protection during transport, storage and operation, even in the harshest conditions. Custom solutions have been used to house and protect high-tech equipment for the military in Australia and other NATO-aligned military customers around the world.


Photo by Rheinmetall

+ COORDINATED GLOBAL SYSTEM

Peli-Trimcast designs and manufactures standard and custom case solutions in Australia for international customers. Furthermore, we employ the design and production capabilities from Peli facilities across the EMEA region, drawing on our own expertise from more than 60 years of experience within these markets. Our global network of design and manufacturing centres enables Peli-Trimcast to better support customers no matter where their equipment travels to.





+ COMPREHENSIVE TECHNICAL INFRASTRUCTURE

The Peli-Hardigg facilities count on the latest world-class equipment and rotational moulding machinery. Furthermore, our US South Deerfield facility includes a complete metal workshop to produce the mayority of the metal parts needed to build our custom solutions.





+ TESTING...1-2-3

Military and OEM customers may need to certify the case will perform to specific requirements. Under precise control conditions our Advanced Case Centers subject our cases to a battery of rigorous lab tests including drop, vibration, leak, heat and dust tests.





LEARN MORE ABOUT + OUR PRODUCTS

www.peli.com

AVAILABLE IN 18 LANGUAGES!

www.pelicatalogue.com

www.peli.com/webinars

EMEAI / www.peli.com

EUROPE, MIDDLE EAST & AFRICA HEADQUARTERS
PELI PRODUCTS, S.L.U.
C/ Provença, 388 Planta 7
08025 • Barcelona, Spain
Tel +34 934 674 999

FRANCE
PELI PRODUCTS FRANCE S.A.S.
20/22 Rue des Petits Hôtels
75010 Paris, France
Tel +33 (0)1 44 83 95 63

UK
PELI HARDIGG UK
Unit 4, Brookfield Industrial Estate
Leacon Road
Ashford Kent TN23 4TU
Tel + 44 (0) 1233 895 895

GERMANY
PELI PRODUCTS GERMANY GmbH
Neudorfer Strasse 285 C
09474 Crottendorf
Germany
Tel +49 (0) 211 882 42 401

DENMARK
PELI PRODUCTS DENMARK APS
Midtermolen 1, 2. tv.
2100 Copenhagen, Denmark
Tel: +34 934 674 999

NETHERLANDS
PELI PRODUCTS NETHERLANDS B.V.
Basisweg, 10
1043AP Amsterdam,
The Netherlands
Tel +34 934 674 999

ITALY
PELI PRODUCTS ITALY S.R.L.
Viale Monte Nero, 84
20135 Milano, Italy
Tel +34 934 674 999

POLAND
PELI PRODUCTS POLAND SP. Z O.O.
ul. Stary Rynek 38-39
61-772 Poznan, Poland
Tel +34 934 674 999

UAE
PELICAN PRODUCTS FZE
JAFZA One Building A
office 1511/1512
Jebel Ali Free Zone gate 5
P.O.Box 261008
Dubai – United Arab Emirates
Tel +971 4 8876550

INDIA
PELICAN PRODUCTS AND SERVICES INDIA PVT. LTD
Level "4", Augusta Point,
Sector-53,
Golf Course Road,
Gurgaon 122002 Haryana, India
Tel +91 124 4354148

SLOVAKIA
STEBER s.r.o.
Kolónia 2856/61
92401 Galanta
www.steberg.sk
info@steberg.sk
+421 905 411 678

U.S.A.

U.S.A. & GLOBAL HEADQUARTERS
23215 Early Avenue
Torrance, CA 90505 USA
Tel 310.326.4700
800.473.5422 (Outside CA)

* We also have offices in Canada, Japan, China, Australia and South Korea

PELI 1 YEAR LIMITED GUARANTEE

Peli Products S.L.U. ("Peli") guarantees its rotationally moulded products will be free of defects in materials and workmanship for one year from the date of invoice. This warranty does not cover any associated hardware including closure hardware, handles, wheels, and fasteners, which Peli warrants against defects in materials and workmanship for 90 days from the invoice date. This warranty applies only to the original purchaser and is not transferable. To the extent permitted by law, Peli's liability is limited to the case and not its contents and in no event shall Peli's liability to the purchaser for damages exceed the purchase price of the case in respect of which damages are claimed. All warranty claims of any nature are barred if the container has been altered, damaged or in any way physically changed, or subjected to abuse, misuse, negligence or accident.

For complete warranty details, see www.peli.com/guarantee

Check out our dedicated web page on Engineered Cases

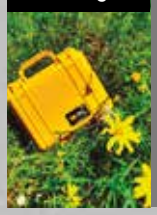


PELI™ BUILT TO PROTECT

Follow us on: PELInsights subscribe now!

©2024 Peli Products, S.L.U. All trademarks are registered and/or unregistered trademarks of Peli Products, S.L.U., its parent, subsidiaries and/or affiliates. All details included in this catalogue are correct when printed but for most updated information please visit www.peli.com and www.pelicatalogue.com.
Part No. 0030-006-100E MAR 24

PELInsights



Check out our latest posts on Peli engineered case solutions, get to know our Pro Users and take part in our different programs.

This and more on the brand new PELI blog!

Watch our video on Peli-Hardigg engineered containers!

