

MACKAY DEFENCE - MARITIME



LAND



SEA



WEAPON SYSTEMS

OVERVIEW

- Rubber and composites manufacturer encompassing: design, development, manufacture and through-life support.
- 100% Australian family owned, with 85 years of rubber experience.
- Manufacturing locations: Australia and Thailand.

CAPABILITIES

- Process types: Extrusion, Compression, and Injection Moulding.
- Custom fabrication with autoclave facilities (up to Ø1.8 x 6 metre).
- Moulding press capacity ranging up to 1,000 tonne, capable of producing parts 2.4 x 1.5 metre.
- Specialist hand build competency and off-site secure fitments.
- In-house material formulation development, mixing and compounding.

DISCRIMINATORS

- Technical Services: a key solution provider encompassing: mathematical modelling and product development – we do difficult.
- Expertise in rubber compound development, tailored to specific applications.
- Trusted partner of the Defence Science and Technology Group (DST Group) developing enhanced products.
- Management and protection of IP (customer and Mackay).
- DISP members and ITAR/EAR compliant with approved secure manufacturing facility.
- Key employees vetted by Australian Government Security Vetting Agency (AGSVA).
- Unique materials from globally sourced suppliers e.g. aeronautical grade materials: ablatives, pre-preg, and adhesives.
- Advanced manufacturing and assembly in environmentally controlled facility.
- NATA certified laboratory.
- Specialist equipment: Rubber Processing Analyser (RPA) and 3D laser non-contact scanning.
- Experienced Exporter: USA, Singapore, Middle East, China, New Zealand and Europe.

MARITIME PRODUCTS

- Resilient mounts.
- Superstructure Isolators (Hull mounts).
- Anti-vibration platform mounts.
- Shock, Noise & Vibration Mounts
- Noise isolation pipe clamps and hangers.
- Noise attenuating water mufflers.
- Sealing membranes and Hatch seals.

- Rubber hull and control surface fendering.
- Sewerage storage bags.
- Escape trunk.
- Flanged hoses.
- Hand-built rubber products.
- High specification rubber sheeting.
- Other classified products.

KEY CUSTOMERS

- BAE Systems – Australia and USA
- Australian Submarine Corporation (ASC)
- Singapore Technologies Kinetics (STK)
- Capability Acquisition and Sustainment Group (CASG)
- Department of Defence (DoD)
- Thales Australia – Protected vehicles

KEY PARTNERS

- Defence Science and Technology Group (DST Group)
- ASC: Technical Support Agency (TSA)
- Taica (Alpha GEL Products)
- Leap Australia

QUALITY APPROVALS

- AS/NZS ISO9001:2015
- ISO/IEC 17025:2005 (NATA approved Laboratory)
- AS/NZS ISO14001:2015
- Hull Isolation Mounts have been tested and/or certified by Marine Classification Societies: Lloyd's Register of Shipping, Germanischer Lloyd, Det Norske Veritas, American Bureau of Shipping, U.S. Coast Guards and Dept. of Transport, Queensland.

CONTACT DETAILS

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LOCALLY MANUFACTURED AND GLOBALLY EXPORTED