

ROCKWOOD COMPOSITES Cryogenic Composites

Rockwood Composites have extensive experience in the supplying of cryogenic composite components, structures and suspension systems

Cryogenic Applications:

- Radial and Axial Suspension Systems
- Thermal Shield Suspensions systems
- Carbon and Glass fibre hanging bands
- Shim Switch Systems
- Electrical and Thermal insulation systems
- Composite Encapsulation of 5N Alloy for thermal pathways
- Composite encapsulation of Polyimide films
- Kapton Encapsulation

Proof and Endurance Testing



Polyimide Encapsulation

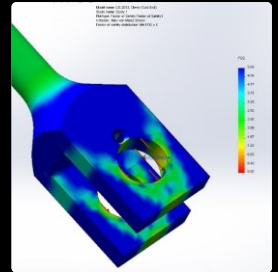
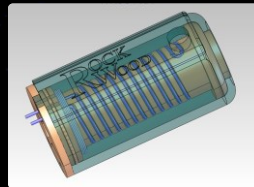


Rockwood Provide:

- Customer support in composite engineering, detailed component design with a 'Design for Manufacture' focus and comprehensive FEA simulation
- Tool design and in-house manufacture
- Pre-preg Composite moulding
- Component machining, Inspection, System Assembly and Testing



Design and Analysis



Why Choose Rockwood:

Our broad-based in-house design and engineering capability provides innovative product and manufacturing solutions. Rockwood utilises metal tooling and 'out-of-autoclave' manufacturing processes to provide products which far surpass traditional processes in terms of quality and cost. Rockwood actively supports 'Design for Manufacture' as the key to minimising tooling cost, maximising quality and reducing component cost and lead time.



SCAN FOR WEBSITE



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Low-cost Moroccan Manufacturing Facility

Rockwood uses metal tooling with pre-preg composite materials to realise complex components, assemblies and robust structures, ready to withstand all harsh environments whilst maintaining excellent properties and appearances.

Our head office and manufacturing facility is based in the UK where Rockwood undertakes all design, development and small to medium sized production runs.

Rockwood also has a 21,000ft² Moroccan facility up and running for large scale batch manufacturing at a much lower cost than that achievable in the UK;

- The facility, based in Midparc, Casablanca is ideally situated with excellent shipping routes
- Midparc benefits from trade agreements with 37 countries providing a duty-free zone for the manufacturing park
- No import or export tax relays big savings for our customers
- Midparc increases Rockwood's manufacturing capacity by 3-fold, enabling much larger production runs.

