ROCKWOOD CRYOGENICS

Cryogenic Specific Subsidiary of Rockwood Composites Ltd.

Rockwood Composites have extensive experience in the supply of cryogenic composite solutions. Now with the creation of Rockwood Cryogenics Ltd, our extensive knowledge and expertise can be focused on supplying cryogenic specific systems tailored to your individual requirements.

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

Proof and Endurance Testing

Suspension Systems

Design and Analysis

Polyimide Encapsulation

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

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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.

Low-cost Moroccan Manufacturing Facility

Rockwood Composites Ltd, is currently establishing a manufacturing facility in the Midparc Industrial Zone, located in Casablanca. With ‘Free Zone’ status this facility is ideally situated to produce volume manufacture at a much lower cost than that achievable in the UK.

All components destined for Midparc manufacture will be developed in the UK to AS9100 quality assurances. Tooling and quality documentation will be transferred to the facility for production manufacture.

Rockwood Composites SARL, the Moroccan based subsidiary of our UK based headquarters will be positioned to benefit from trade agreements with 37 countries.

This facility will be dedicated to medium and large-scale batch manufacturing of composite components for a wide breadth of industries.

Midparc is ideally situated with excellent shipping routes, worldwide, enabling on time delivery of components.