

**Role:** Carbon Fibre Technician

**Hours:** Monday to Saturday 09:00 - 18:00

**Salary:** Dhs4000 - Dhs7000 per month

**Job Type:** Full time, Permanent

**Location:** Al Hamra Industrial Zone, Ras Al Khaimah, UAE

Polar Manufacturing FZ-LLC, based in Ras Al Khaimah, UAE, is a leading B2B composite contract design company specialising in carbon fibre prepreg and composite manufacturing. We meticulously craft precision-engineered components for a diverse range of industries worldwide.

Our commitment to sustainability, innovation, and custom solutions drives us to deliver 'Excellence in every part'. At Polar, we pride ourselves on being forward-thinking and dedicated to creating superior, bespoke products for the global market.

**Job brief:**

We are seeking a skilled and detail-oriented Carbon Fibre Technician to join our team. Composite Technician will play a critical role in the production process of manufacturing components from carbon fibre and other composite materials. The ideal candidate will have a strong understanding of composite manufacturing processes and be proficient in various techniques such as preparing moulds, ply cutting, prepreg lamination, bagging, curing, demoulding, trimming, bonding, assembly, and quality control.

**Responsibilities include:**

**Preparing Mold:** Assist in the preparation of moulds for composite component production, ensuring moulds are clean, properly coated, and in good condition for use.

**Ply Cutting:** Accurately cut carbon fibre sheets or prepreg material according to specified patterns and dimensions for layup.

**Prepreg Lamination:** Execute the lamination process by layering carbon fibre materials in moulds or tooling as per design requirements.

**Bagging:** Perform vacuum bagging techniques to remove air and facilitate proper resin infusion during the manufacturing process.

**Curing:** Monitor and control the curing process of composite components in oven or autoclave to ensure proper bonding and consolidation of materials.

**Demoulding:** Safely remove cured composite components from moulds without causing damage to the parts or moulds.

**Trimming:** Trim excess material from composite components using hand tools or machinery to achieve final specifications.

**Bonding:** Apply adhesives or bonding agents as needed to assemble composite components and ensure structural integrity.

**Assembly:** Assist in the assembly of composite components into larger structures or products, following assembly procedures and specifications.

**Quality Control:** Conduct quality control inspections and tests on finished composite components to verify structural integrity, dimensions, and performance characteristics.



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**Skills and experience required:**

- Relevant technical training or certification in composite materials
- Previous experience in composite manufacturing processes
- Knowledge of composite materials, resin systems, and curing processes
- Ability to read and interpret technical drawings and specifications
- Strong attention to detail and quality standards
- Effective communication skills and ability to work independently or as part of a team
- Willingness to follow safety protocols and maintain a clean work environment

**The successful applicant will get the following benefits:**

Visa and health insurance  
24 days paid holidays, plus all national holidays  
An annual return flight ticket to native country  
Bonus regarding product delivery KPIs

**If you wish to apply for the role of Carbon Fibre Technician, please send a copy of your up-to-date CV to [vacancies@grouppolar.com](mailto:vacancies@grouppolar.com)**

Group Polar LLC and its subsidiaries are an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity.

**Please note:** At Polar we value all applications however cannot respond to all submissions. If you have not heard from us in two weeks, please consider your application unsuccessful.