

Role: 3D Product Design Engineer
Hours: Monday to Friday 09:00 - 18:00
Salary: DOE
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 3D Product Design Engineer to work on a wide range of projects. Defining product specifications, creating digitally and designing fully-functional products. To be successful in this role, you should have an eye for detail, colour, shape and be able to translate requirements into practical product features. Ultimately, you will help us build products that are easy to use and visually appealing to our potential customers.

Responsibilities include:

- Identify opportunities for new products
- Analyse how a new product ties in with market needs and consumer preferences
- Collaborate broadly to understand project requirements and ensure the 3D designs align with the overall vision, from internal teams, external partners and stake holders
- Brainstorm and contribute innovative design concepts for various projects
- Provide input and creative direction during project planning and conceptualisation phases
- Work closely with the marketing team to understand campaign objectives and deliver visually compelling poster designs
- Research materials and techniques
- Create digital sketches
- Model products in 3D CAD software
- Create 3D visualisations, animations, and renderings for projects and products
- Produce prototypes and test functionality
- Design tooling and liaise with supply chain
- Gather feedback from product user's, improving accordingly
- Utilise industry-standard software and stay updated with the latest 3D design trends, tools, and techniques.

Skills and experience required:

- BSc/MSc in Product Design
- Minimum 3 years' proven experience in product design, workplace
- Creativity in mixing up colours, shapes and techniques
- Hands-on experience with computer-aided design (CAD) tools
- Good knowledge of 3D modelling software (*solid works beneficial*)
- Composite design and understanding a benefit but not essential
- Time-management skills
- Adaptability, can-do attitude and loyal



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Strong portfolio showcasing proficiency in 3D design, including models, animations, and renderings
Demonstrated expertise in 2D poster design, including layout, typography, and visual hierarchy
Excellent communication and collaboration skills
Ability to manage multiple projects and meet deadlines
Portfolio of work
Fluent in English

The successful applicant will get the following benefits:

Visa
Monthly salary
24 days paid holidays, plus all national holidays
An annual return flight ticket to native country
Bonus in regards to product delivery KPI's

If you wish to apply for the role of 3D Product Design Engineer, please send a copy of your up-to-date CV to 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.