



PDD is a design and innovation consultancy creating physical and digital products and experiences that drive our client businesses and delight their customers and users. We have been winning awards and serving our long-standing clients since 1980.

With studios in London, Hong Kong, Shanghai and Boston, and working in 6 continents, our experienced managers and talented researchers, designers and engineers help companies in the Medical & Healthcare, Consumer and Industrial & Commercial sectors to grow their businesses through innovation.

We ensure that product and experience solutions are successful by ensuring they are appealing to customers, are feasible and viable for clients to make and are responsible given regulation, society and the environment. Such success creates our future- and it's this sustainable 'win-all-round' business model that excites us- we call it 'Meaningful Innovation'.

We are committed to a workplace environment that promotes diversity across all our studios and this applies to the talent we hire, the customers we work with and the people we interact with on our projects.

We offer competitive pay, a range of excellent benefits and opportunities for international travel. Working with us also opens up new networking opportunities and a chance to engage with colleagues at social events.

Role:

Consultant - Product Design Engineer (Healthcare focus)

Location:

Shanghai

Reporting line:

Principal

Purpose:

Building on your experience, creativity and enthusiasm for design, you will be contributing to the creation and development of a wide range of products primarily in Healthcare as part of our multi-disciplinary team. You will manage some of these projects and team members with review support from our senior staff. In these you will be responsible for the design quality and the management of resources, budgets and time to meet the needs of clients.

Responsibilities:

- Create inventive, appropriate and practical technical concepts and assess their feasibility
- Source suppliers and specify materials, processes and components
- Research, source and specify applicable materials, processes and suppliers
- Design and develop concepts into well-performing, reliable and robust solutions; including 3D CAD modelling and managing prototype testing
- Detail and specify design for robust manufacture; including tolerance studies, DFMA and preparing component and assembly drawings and production specifications
- Create and control documents including CAD, reports and specifications
- Work within regulatory framework and PDD's established quality system
- Communicate effectively and deliver high-quality work on-time

Requirements:

- 1st or 2:1 Bachelor's degree in Product Design Engineering or equivalent
- Healthcare industry experience
- Understanding of work within quality & regulatory frameworks (ISO13485 is a must)
- Proficient in 3D CAD modelling (ProE or Solidworks) with some surfacing
- Some experience on mechanisms and structures (possibly using Finite Element Analysis)
- Familiar with materials and processes for moulding, casting, machining and fabrication
- Engineering analysis with some familiarity of tolerance calculation
- Experience designing either medical devices, consumer products or industrial equipment
- Excellent written and verbal presentation skills