

The **EDGE**



Life Critical Products and Components

Support life critical product manufacturers with technical moulding solutions at the highest standards.

Life critical plastic injection moulded components

With highly dangerous environments and activities or where the two combine, there isn't an option for failure. Tex Plastics have a pedigree in producing plastic moulded components on which peoples lives depend.

Committed to supporting our customers

- Highly experienced in close tolerance component development and manufacture
- Experts in material selection for challenging applications
- Manufacturing to the highest possible quality standards

Value added services include

- Product end-item assembly
- Product sub-assembly
- Primary and secondary packaging
- Sterilisation prepping and configuration
- Silk screening, pad printing and laser marking

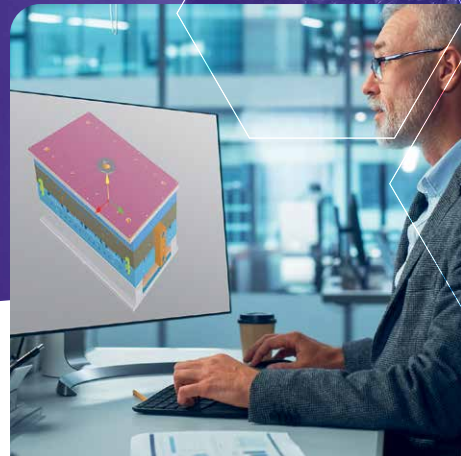
Bespoke stocks to logistics supply solutions

- Fast lead-time response
- Stock call-off
- Turn-key response
- Direct to line
- Kanban stock
- Stock holding finished product
- Stock holding raw materials
- Fully traceable, auditable process



Whether the product houses highly sensitive electronics designed to provide a locating signal in case of emergency or breathing apparatus for fire fighters, Tex Plastics design team have the capability to help develop it.

Working closely with the clients design teams we take the concept drawings through a design for manufacture process, incorporating materials selection, prototyping and testing. The understanding of a life critical plastic components environment, use and lifespan all combine to help us to work in partnership. With common objectives to help preserve life in whatever application, whilst producing a plastic part and any relevant combination of post moulding services to make the unit price as competitive as possible.



Tooling Solutions

Managing your tooling, whether it's from concept design and CAD modelling through to delivery and application; or transfer and trials of an established tool. Both Tex Plastics sites have in-house toolrooms to support production with the tooling we hold on sites for our customers.

Tex Plastics can offer you the most competitive blend of lower cost overseas tooling manufacture or highly sophisticated UK based tooling manufacturer.



Rapid Prototyping

With speed to market a key requirement in the critical path of any new product development programme, rapid prototyping is an essential component of the Tex Plastics offer.

Rapid prototyping and low volume plastic injection moulding enables the design development process to evolve more quickly. This provides a strategic advantage, as one of the key deliverables of rapid plastic prototyping and low volume injection moulding is risk mitigation.



Precision Injection Moulding

Tex Plastics manufacture plastic components for life critical applications, electronic products and medical solutions – the highest levels of precision injection moulding comes as standard.

Injection moulding solutions range from multi-shot moulding of tight tolerance parts to friction welding of metal replacement tanks and containers. Our diverse market activity positions us as a true world-class manufacturer of technical injection mouldings and finished products.



High temperature polymer and zero failure rate for breathing apparatus components

There are few environments more dangerous than those a fire fighter is challenged with entering. Often volatile, toxic and unpredictable – the fire fighters life is protected by state of the art breathing apparatus and sophisticated personal protection clothing.

With a redesign of tooling and the change of polymer, it enabled ultra thin moulding to hit the clients usability requirements. Manufactured using robotic cell assembly also shortened lead-times, so even with Intensive testing and product validation, the clients supply chain shortened – further reducing the manufacturing costs.



Emergency Position Indicating Radio Beacon (EPIRB)

Over moulding redesign reduces assembly time by 22% for marine life saving product

Tex Plastics worked with the customer to fully understand the entire process, starting with the products core functionality. Then reviewed every stage of the manufacturing process from moulding and assembly to final packaging. The Tex Plastics design engineering team applied 'lean manufacturing techniques' to the redesign process. The redesign incorporated an 'over moulding' technique which had the added benefit of eliminating several areas of waste identified within the current assembly process.



Vulnerable person GPS location wristband and receiver

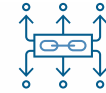
Advanced technical polymers combined with an over moulding process ensured the wristband was comfortable, waterproof and hypoallergenic.

Understanding how the product worked and needed to perform, from sensing motion, detecting falls and communicating wirelessly was invaluable in the selection of the right solution. Working closely with the client, the designers and injection mould toolmakers at Tex Plastics were able to add value to the process with expert polymer selection and an over moulding manufacturing process. Understanding the importance of comfort influenced the moulding and fixing techniques to contribute to the award winning wristband.

More than just a moulder

Our development and manufacturing services range from product concept, through prototyping, mould making, validation and into high volume production.

Call +44 (0)1332 363249 or +44 (0)1271 378528



Let us help you to streamline your component supply chain, reduce lead times and maximise the cost-effectiveness of the component produced with our extensive post moulding operations. Our free audit process reviews your plastic parts manufacturing and supply chain and we'll point out any operational inefficiencies so you can make savings whether you use us or not.

Find out how much you could be saving...



The Free Audit will provide you with a 'no-obligation' 360 analysis of your product and supply chain. TEX pursues optimum streamlining throughout the entire manufacturing process by eliminating non-value added services and enhancing your manufacturing process. This will be under a Non Disclosure Agreement so that you can be assured of complete confidentiality.



Call us with your component needs and we will provide a rapid estimate of what we feel your product could be produced for. If you decide this is of interest then we will proceed to produce a Quick Quote, which will provide you with a binding contracted production price for a set period.

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