

# The EDGE



## Medical devices, components and packaging

Plastic injection moulding development and manufacturing solutions for medical devices, components and packaging.

### Medical plastic injection moulding solutions

Specialists in the development and manufacture of medical devices, components and packaging. With extensive Class 7 Cleanroom manufacturing cell capability for injection moulding and component assembly of non-sterile medical products.

#### Committed to supporting our customers

- Fully validated EN14644 class 7 (10,000) cleanrooms
- Concept to completion project solution
- Working to BS13485 class 7 (10,000)
- Moulding and assembly
- Up to 300 tonne clamp force

#### 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



**Tex Plastics have carved out a niche for producing plastic injection moulded housings and parts for the medical device sector. We help customers develop their designs, and bring medical, pharmaceutical and electronics products to market. What can we do for you?**

Tex Plastics are more than just a moulder. We help you design and develop high-performance components and optimise your manufacturing process. Our scientific injection moulding process maximises quality and performance. Tex Plastics provide rapid prototyping, tooling solutions, quality control, high-tolerance verification, printing, assembly, packing, warehousing, and supply chain management.



**EN14644 Class 7  
(10,000) cleanroom**

Tex Plastics has a Class 7 Cleanroom manufacturing cell for injection moulding and component assembly of non-sterile medical products.

Offering a comprehensive 'concept to completion' project solution, which utilises white room and cleanroom plastic injection moulding.



**Concept to completion  
project solution**

Tex Plastics has a long and highly credible history in moulding for the medical sector.

With extensive white room moulding and a fully validated EN14644 Class 7 (10,000) expanded cleanroom manufacturing cell – we've developed a niche in the lower volume, concept to production, medical device plastic moulding. Our proven process helps medical device manufacturers map their critical path for the Alpha and Beta prototype stages.



**ISO 13485**

Tex Plastics is currently on target to achieve the medical device industry's most widely used international standard for quality management ISO 13485.

This is the medical industry's optimal medical device standard, which ensures that all medical devices meet the proper regulatory compliance laws and customer needs. Manufacturing bespoke high-quality medical device plastic components which are accredited to ISO 13485, will open up even more doors in the sector.



**Ophthalmic medical devices  
60% reduction in cost to  
produce**

Understanding the importance of comfort influenced the moulding and fixing techniques to contribute to the ground breaking device for vitreo-retinal specialists and ophthalmologists.

With a redesign of tooling and the change of polymer, it enabled ultra thin moulding to hit the clients usability requirements. Consolidation of parts into a single assembly also shortened lead-times, so even with intensive testing and product validation, the clients supply chain shortened – further reducing the plastic component manufacturing costs.



**Improving usability  
and reducing cost of  
medical polyware**

In the high pressure environment of an operating theatre, seconds count. Whether rapid response to saving lives or maximising the efficiency of a theatre or treatment room.

With a redesign of tooling and the change of polymer, it enabled ultra thin moulding to hit the clients usability requirements. Because the ultra-thin moulding resulted in lighter products, packaging costs were reduced. Most important of all, the products usability – in other words the product performance – was significantly improved.



**Scope Sterilising Container  
reduces costs of a large DIN  
tray by 66%**

Tex Plastics were able to help the designers enhance the manufactured product so it could meet the extremely demanding environmental and usage requirements.

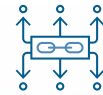
The design process involved several innovations; from Silicone grips to ensure delicate scope and instruments doesn't get damaged during the cleaning and sterilising process; to smooth corners preventing damage to wrapping papers.



# 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.

**TEX**  
GROUP

**BSP** TEX

**OK**TEX

**G&M**  
EUROTEX

**TEX**  
PLASTICS

**TEX**  
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