

# The EDGE



## Construction Products and Components for Outdoor Applications

Plastic injected products moulded for the outdoors and exposed to the elements.

### Plastic injection moulding solutions for construction products and outdoors

Plastic injected products moulded for the outdoors need to be tough, UV stable, and innovative to continually better the experience and durability for the end user.

#### Committed to supporting our customers

- Analysis of environmental impact and required material characteristics
- Assessment of product key characteristics for DFM process
- Review supply chain needs to optimise resources
- Stock profile and provision, designed for product availability and logistics

#### 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

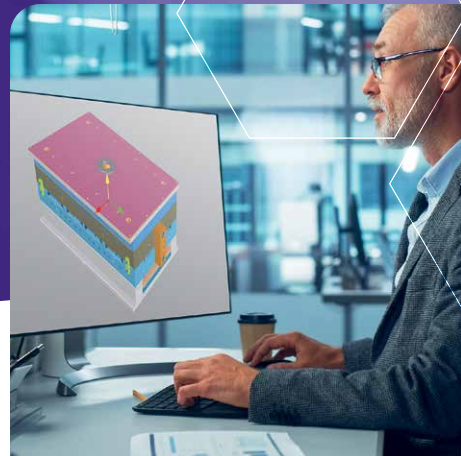
- Fast lead-time response
- Stock call-off
- Turn-key response
- Direct to line
- Kanban stock
- Stock holding finished product
- Stock holding raw materials
- Fully traceable, auditable process





**This is why Tex Plastics design to innovate and provide value to our partners, and for the end customer. From the selection of highly technical polymer's to withstand the UV and extremes of climate conditions, to the inherent functional requirements needed.**

Whether your product needs to be durable to withstand an explosion, the rigours of high use or simply be a cosmetic façade, you can be sure Tex Plastics have the experience and technical know-how to engineer you the right solution. Our target customers and partners are the next generation of innovators. Those that have an idea for a new product, a better product, and need a partner to make their sketch a reality.



#### 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.



#### Cost reduction for finishing product line converted to polypropylene

As wood was replaced by uPVC in exterior construction, now Precision Plastic Moulded PVC begins to replace uPVC. It gives all the aesthetic benefits of uPVC but at a reduced cost and with some key environmental benefits.

With advances in technical polymers, the development of UV stable product has brought about significant changes in the options available to anyone thinking about using plastic as an external construction material. The new polymers can bring several benefits, from fire safety to shortened lead-times.



#### Unique water collection products

The manufacturer had developed a range of plastic products used for drainage and water collection. Their challenge to Tex Plastics was 'how can we improve our product range, whilst reducing costs and inventory?'

Allowing the technical team to access the wider product range enabled them to rethink how the whole range was manufactured. Utilising the core component as one design and designing inserts for options rather than individual moulds resulted in a greater production run of the core component, reducing unit costs and an innovative approach to the toolmaking process also reduced the number of different tools.



#### Technical plastic casing for swimming pool pump

When a UK based leading swimming pool manufacturer took the decision to manufacture a product in the UK rather than buy in from the USA, it needed a technical plastic moulder. Manufacturing in the UK meant full control over product quality and price caused by currency volatility.

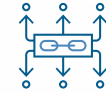
The casings needed to be moulded in Glassfilled Polypropylene. This is a mixture of glass fibre filler plus Polypropylene to give improved strength and rigidity. Other components required a PPO material which gives affordable high heat resistance, good electrical properties, excellent hydrolytic properties, with excellent dimensional stability, good processability and low specific gravity.



# 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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