

Precision Injection Moulding

FROM DESIGN TO DELIVERY

MERIT PLASTIC MOULDINGS LIMITED

Merit Plastic Mouldings – the “First Choice” for injection moulding

Established in 1972, Merit Plastic Mouldings (MPM) is a global manufacturer of precision injection mouldings. We serve a wide range of industries and are involved in a variety of processes and materials, many of which are cutting edge.

Design Expertise – what sets MPM apart from its competitors

Our experience in the design of parts for injection moulding enables us to conform to best practice design for manufacture.

Using Mouldflow and SolidWorks simulation we evaluate product and tooling design and make recommendations that save you time, cost and deliver your product to market more effectively.

Advanced Quality Planning – getting it ‘Right First Time’

We use an exhaustive advanced quality planning and development process to ensure a smooth transition from development to production.

This process comprises a comprehensive review of the product design, tool design, materials selection, process capability and gauge studies. Our expertise in these areas makes getting it ‘right first time’ an achievable goal.



Supply Flexibility – meeting fluctuating customer demand

We give our customers the flexibility to cope with the fluctuating demands of their industry.

We are able to receive single orders for as few as 50 or as many as 30 million parts per annum. With 25 injection moulding machines, we are equipped to deal with one-off orders, or to manufacture to schedule and deliver line-side in accordance with customer requirements.

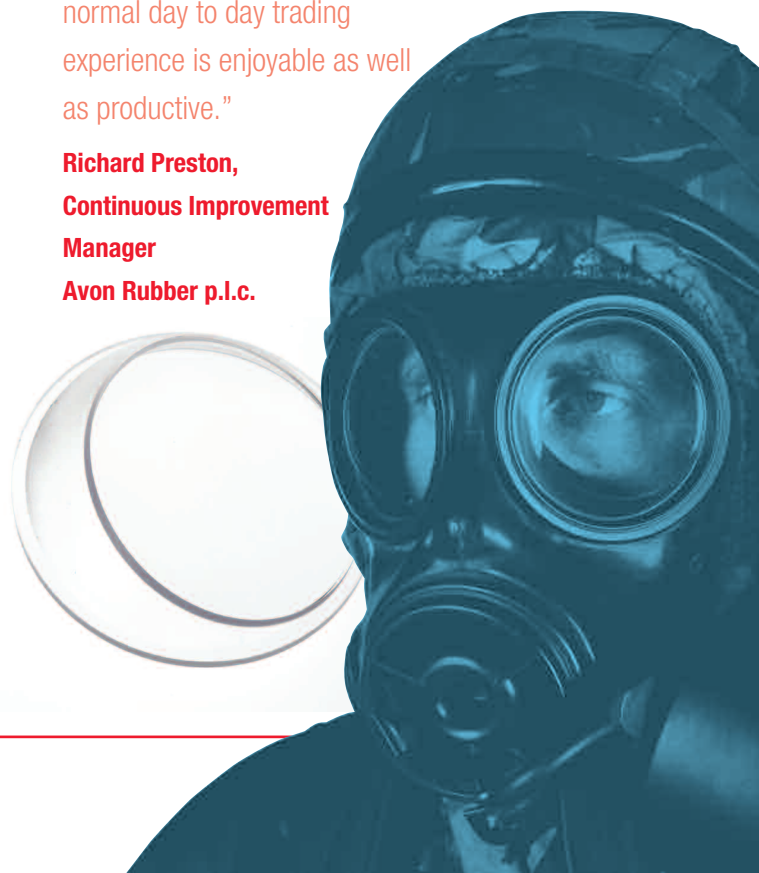


“Merit’s professionalism is key in everything they do, from the first telephone call to the delivery of your components. Thus, their customer service shines through in every aspect of contact. Moreover, Merit’s attention to detail and quality was key in our decision to offer them a LTA (Long Term Agreement).”

**Steven Gosling,
Supply Chain Manager
Parker Hannifin (UK) Ltd**

“Working with Merit does feel like a real partnership, all levels of personnel we have contact with are very responsive, and the normal day to day trading experience is enjoyable as well as productive.”

**Richard Preston,
Continuous Improvement
Manager
Avon Rubber p.l.c.**



Key Processes at Merit Plastic Mouldings

Design

Utilising the latest 3D SolidWorks and Mouldflow software we fully support our customers from conceptual product design to final 3D CAD data.

Development

Our advanced quality plan supports the development programme of your project. Subcontract tooling manufacture is managed from project start, while our comprehensive trials procedure ensures that tools and processes are developed to achieve optimum process capability.

From choosing the best polymer for your product's application to sourcing non-moulded parts and packaging, we help smooth the path to your product's launch.

Prototyping

We can supply rapid prototype parts in as little as 3 days. These can be produced in a variety of polymers and, at times in the design intent material.

Moulding

With 25 injection moulding machines ranging from 15 to 300 tonne we support a range of product sizes. We have a Class 5 cleanroom facility that caters to our medical and pharmaceutical customers. In addition to capabilities normally expected from a trade moulder, we have particular expertise in overmoulding bearings, shafts, mesh and soft touch materials, nylon conditioning and the use of specialist materials.



Assembly

From fully automated to manual assembly equipment, we build your components to exacting standards.

We have in house facilities for ultrasonic welding and heat staking of metal inserts.

Decoration

We offer the facilities of multicoloured Tampo printing, screen printing, specialist Electromagnetic Interference Shielding coating and anti-scratch and anti-reflective coatings for optical lenses.

“We have appreciated the professionalism and skill that the technical staff at Merit has brought to helping us realise our product design goals.”

**Dan Auld, Production Manager
Otdynamics**

“We are very pleased with the technical support, flexibility and level of service that Merit gives us, with regard to both new product projects and day to day issues.”

**Angela Coster, Senior Buyer
Bosch Lawn and Garden Ltd**



Do Your Suppliers Meet Your Requirements?

We have identified some critical success factors for precision injection moulders. We measure ourselves against the factors below, and urge you to do the same for your injection moulding suppliers. Assign a score of between 1 and 5 for the level of service you receive from your injection moulding suppliers.

We have been highly rated by our customers on these criteria. If these factors are key to your business, and you would like to explore working with Merit Plastic Mouldings, take advantage of our free, no obligation technical and commercial review of any of your products by contacting Ardeshir Nasarwanji on **+44 (0)1379 644321**, or ardeshir@meritplastics.co.uk



Criteria	Score
Expertise in precision injection moulding	
Accurate assessments of product and tooling design during product development	
Technical support throughout product life	
Consistent product quality	
Competitively priced products without compromising quality	
Working in partnership to reduce costs	
Reliability in delivery	
Flexibility in delivery	
Flexibility in ordering	
Range of product sizes	

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CERT. NO. Q 05438

“ Merit Plastics have proved to be a very competent supplier of prototype tooling and parts to support the development of our infant feeding concepts. Due to their in-house design

knowledge of plastic mouldings and locality to our R&D centre in Cambridge we were able to work closely together to turn around design changes quickly and efficiently which was critical to the success of the project in the early stages of development.”

Neil Cropper, Senior Project Manager

Philips AVENT