



We see your products
in plastic





“ Rutland Plastics are consistently at the top of the list of companies with whom we prefer to work. ”
Steve Leigh, Groundbreaker

Quality and Reliability Guaranteed

Rutland Plastics – the first choice for injection moulding

Rutland Plastics is a family owned financially secure business with an enviable reputation for quality and reliability. We are based in the East Midlands and for more than 50 years we have worked in partnership with customers and suppliers across a diverse range of industries to provide innovative and effective design, manufacturing and delivery solutions.

Leading the Field

As experts in plastics technology we have not been afraid to push the boundaries to find new and exciting ways to tap the potential of the injection moulding process. We are renowned for our expertise in large and thick section moulding and for our Gas Assisted Injection Moulding skills. We have also developed our own patented electrofusion process.

Traditional Values

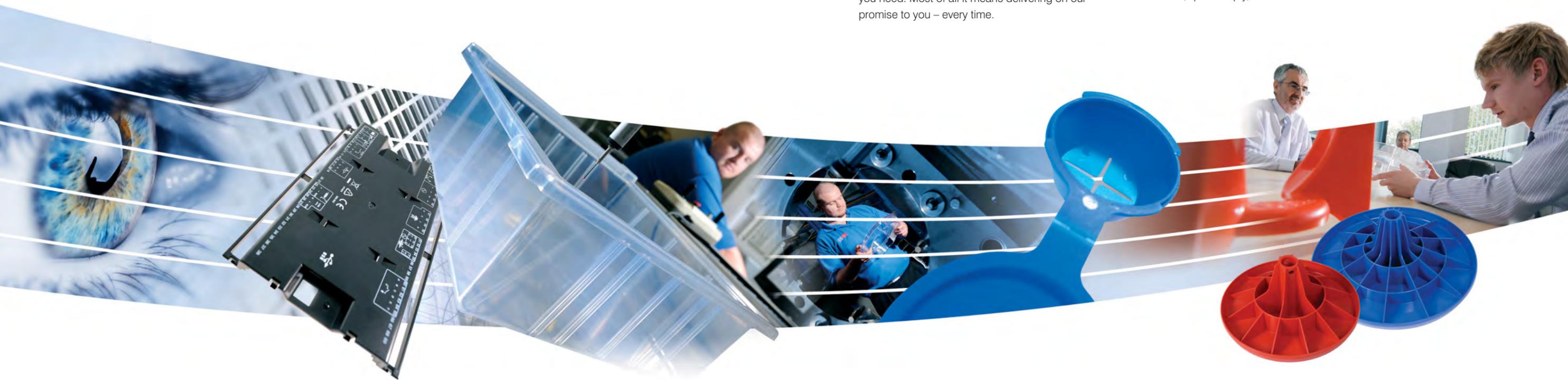
We believe in putting the customer first. This means individual attention, listening to what you want and working with you to achieve the results you need. Most of all it means delivering on our promise to you – every time.

Building for the future

Our company ethos at Rutland Plastics is one of continual investment in our premises, plant, equipment and our people. This will ensure our ability to meet the current and future demands of the market with the exceptional level of quality and service we have become known for.

Free Advice

Our no obligation advice and quotations demonstrate our high quality, value for money service. Whether you are a new or an existing user of the plastics injection moulding process we would like to hear from you. Our advice is free and our service is, quite simply, excellent.



Design for Success

Experienced Partners

Developing a successful plastic product and a precise moulding tool requires skill, imagination and a thorough understanding of the materials. Rutland Plastics has 50 years of industry experience and a design team who work alongside our customers, carefully listening to what they need.

Producing Results

Creating the right plastic moulding design at the start saves you time and money in the long run. We take your initial concept through the design, analysis and prototyping stages using our 3D CAD system and on to tooling and production. Our experienced mould-makers and technicians ensure that the product you want is the one delivered.

“ We have been delighted with the work carried out for us. Rutland Plastics’ staff have been responding to our needs and we are pleased with the quality of the finished product. ”

Adrian Lester, Rainwater Harvesting

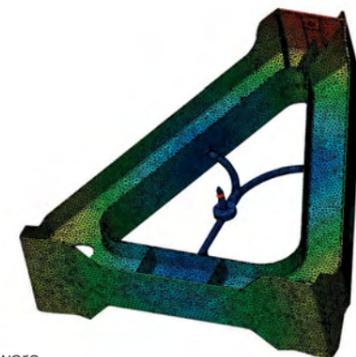
Optimising Performance

New Ideas or Redesigns

The Rutland Plastics designers relish a challenge. Whether it's redesigning an existing component or starting from scratch, we work as an extension of your team and share our expertise to develop a successful product.

Mouldflow Analysis

Injection simulation using VISI Flow software helps us fine-tune new mould designs, modify any that are under-performing and assess optimum moulding conditions. Potential issues during the mould cycle are predicted, allowing us to efficiently develop cost-effective, reliable designs for conventional and gas assisted injection moulding.

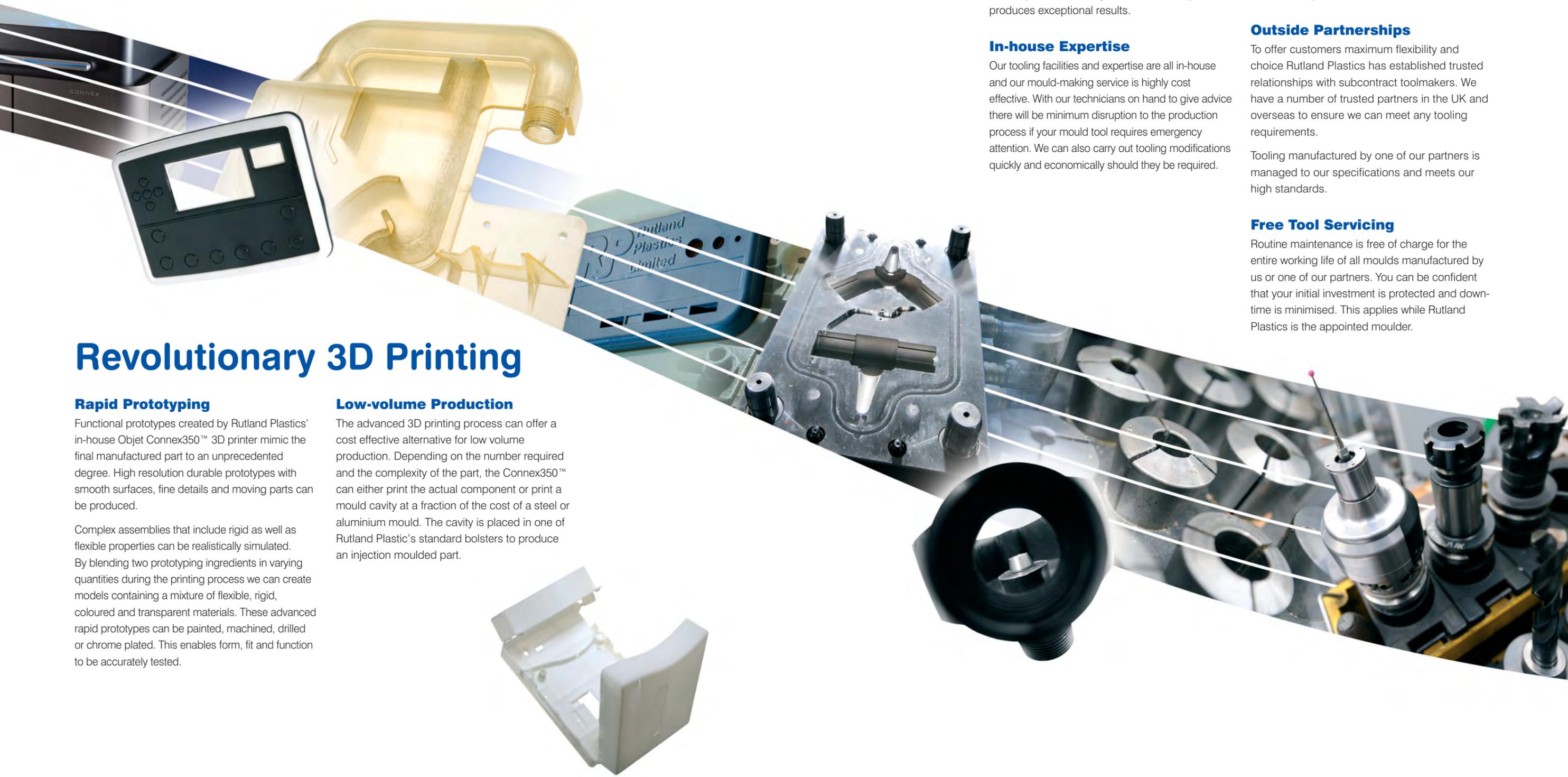


“ We started using Rutland Plastic recently and have been very pleased. They took on a difficult large clear moulding that the previous supplier had always struggled with. Very quickly they had the process refined in both materials. The customer service and quality control has also been very good at all times. ”

Ky Gandy, Rega Research



“ We always feel we are getting value for money. Our requests are always dealt with promptly and courteously, Rutland Plastics are a pleasure to work with. ”
Guy Bhui, Johnson Test Papers



Revolutionary 3D Printing

Rapid Prototyping

Functional prototypes created by Rutland Plastics' in-house Objet Connex350™ 3D printer mimic the final manufactured part to an unprecedented degree. High resolution durable prototypes with smooth surfaces, fine details and moving parts can be produced.

Complex assemblies that include rigid as well as flexible properties can be realistically simulated. By blending two prototyping ingredients in varying quantities during the printing process we can create models containing a mixture of flexible, rigid, coloured and transparent materials. These advanced rapid prototypes can be painted, machined, drilled or chrome plated. This enables form, fit and function to be accurately tested.

Low-volume Production

The advanced 3D printing process can offer a cost effective alternative for low volume production. Depending on the number required and the complexity of the part, the Connex350™ can either print the actual component or print a mould cavity at a fraction of the cost of a steel or aluminium mould. The cavity is placed in one of Rutland Plastic's standard bolsters to produce an injection moulded part.

Tooling

Focus on Quality

New and modified mould tools are all tested under production conditions and are only approved for use when we are confident of optimum performance. Our focus on quality and reliability ensures a long-life tool that always produces exceptional results.

In-house Expertise

Our tooling facilities and expertise are all in-house and our mould-making service is highly cost effective. With our technicians on hand to give advice there will be minimum disruption to the production process if your mould tool requires emergency attention. We can also carry out tooling modifications quickly and economically should they be required.

Adapting Tools

We can adapt your existing mould tools for use on Rutland Plastics moulding machines and will produce sample mouldings free of charge. Our toolroom can handle any refurbishments quickly and efficiently.

Outside Partnerships

To offer customers maximum flexibility and choice Rutland Plastics has established trusted relationships with subcontract toolmakers. We have a number of trusted partners in the UK and overseas to ensure we can meet any tooling requirements.

Tooling manufactured by one of our partners is managed to our specifications and meets our high standards.

Free Tool Servicing

Routine maintenance is free of charge for the entire working life of all moulds manufactured by us or one of our partners. You can be confident that your initial investment is protected and down-time is minimised. This applies while Rutland Plastics is the appointed moulder.



“ Our business set up with Rutland Plastics runs very smoothly. The quality of service I feel is excellent due to its simplicity. ”
Phil Burgess, Bristol Maid/Hospital Metalcraft

Plastic Injection Moulding

Cost Effective Production

At Rutland Plastics we have extensive experience in producing a vast range of products and components in a wide variety of thermoplastic materials. Our mould shop is equipped with modern machinery utilising the latest computer technology and robotics. Whatever your moulding requirements, you can be sure our skilled technicians and operators will use the most cost effective production methods.

Flexibility

We can manufacture to order or work to your schedules. To help you achieve maximum cost efficiency we can also manufacture in larger quantities and hold the balance in stock for you to call off as required.

Solutions

Rutland Plastics has opened up new horizons for the plastic injection moulding process. We have made it possible to produce items traditionally made by more costly methods. Small or large, thin or thick, one moulding or whole assemblies – we can offer a solution.

We manufacture products weighing just a few grams right up to a massive 48kgs and have particular expertise in producing mouldings with sections in excess of 100mm.

Medical

Rutland Plastics has the medical standard ISO13485 covering clean environment, non-sterile injection and flow moulded thermoplastic components for medical devices. This also includes the machining, finishing and sub-assembly of mouldings to customer requirements.

“ Rutland Plastics was selected from a number of potential suppliers due to its professional presentation along with helpful and knowledgeable staff. They have supplied Pentre with high quality components and we would recommend them to any company needing large injection mouldings. ”
Bob Crank, Pentre Plastic Mouldings

“ Brentwood researched several injection moulders and we feel we definitely found the right partner. The team at Rutland Plastics continued to go over and above the call of duty in order to satisfy our requirements. ”
Rob Adams, Brentwood Industries



Gas Assisted Injection Moulding

Gas assisted injection moulding reduces costs, improves quality and has a wide variety of applications. Rutland Plastics works with customers from an increasing number of industries to produce innovative solutions to problems using gas injection.

By injecting nitrogen into the mould cavity, thick sections of plastic can be hollowed out and sink marks and distortion in thin section mouldings can be eliminated. This process creates endless possibilities in product and component design.



“ We have been impressed with Rutland Plastics’ design capabilities, attention to detail and responsiveness to production enquiries. We would recommend their services to anyone looking for an injection moulding partner. ”
Adrian Dyer, Aquasolve

To find out how Rutland Plastics can help you call 01572 723476 or visit www.rutlandplastics.co.uk/gam1

“ Design to manufacture with technical know-how is vital to Geothermal. Rutland Plastics are experts in the injection moulding and electrofusion processes and help us to get new products right for the job. ”
James Cooper, Geothermal International

Electrofusion



Safe & Secure

Electrofusion is an effective method of joining plastic parts in specific applications. Wire is incorporated into the surface of the moulding to produce a continuous coil that acts like a heating element when an electric current is passed through it.

Our Patented Process

Always innovative, Rutland Plastics has refined and developed the idea to create our own patented process which has opened up more opportunities to join plastics simply and quickly.

We bury a lead-in wire beneath the subsequent coil winding. This concept reduces the risk of wires shorting during the welding process – a failure commonly associated with other designs and fittings of this type.

Applications

We successfully apply this technique to a variety of different fittings. Electrofusion has brought huge benefits to a wide range of applications and industries. Rutland Plastics welcomes opportunities to discuss how this process can be adapted to join other plastics components and products.

To find out how Rutland Plastics can help you call 01572 723476 or visit www.rutlandplastics.co.uk/electrofusion

Additional Services

Finishing & Assembly

Rutland Plastics offers a range of secondary operations to help you get your finished product to the marketplace swiftly and economically. Our secondary operations department simplifies the production process for you and eliminates the need to source sub-contractors.

Ultrasonic Welding

Sonic welding is a quick, clean and efficient method of welding plastic parts together to create a strong and permanent bond.

Machining

Our machining capability ensures that precision components are produced to tight tolerances.

Printing/Painting/Plating

We can arrange printing, specialised painting or plating of moulded parts.

Assembly

We can supply complete sub-assemblies and can also provide complete products ready for onward shipment direct to your customers.

Packaging

Your products can be packaged ready for you to deliver on to your customer without any further work.

Warehouse

Our on-site warehouse facility provides secure storage.

Transport

Rutland Plastics ensure safe delivery of your products to your chosen destination using the most cost effective methods.

“ I was looking for a competitive and skilled supplier to help develop and produce my products. Rutland Plastics not only met these criteria but exceeded them. ”

Carl Watkins, Precision Plastics

Heat Staking

This quick and economical technique can be used for fixing inserts or making a permanent joint without rivets or screws. A pillar or 'stake' from one moulding is inserted through a hole in the opposing part. Heat is used to soften the stake which, under pressure, forms a head. When fixing threaded inserts or pins, heat is used to soften the material to enable easy insertion. Once cooled it shrinks around the part and holds it firm.

Gluing

Rutland Plastics offer a cost effective solution to applying adhesive. Using our fully automated glue dispensing system parts are glued swiftly with guaranteed consistency.



Community and Environment

Supporting our local community

Rutland Plastics has been based in Oakham since the company was founded in 1956 and, with more than 100 staff, is one of the areas key employers. Investment in our premises has been considerable over the years and we are always mindful of our responsibility towards the local community. We regularly review our environmental policy and are a keen supporter of local events and initiatives.

Environment

Rutland Plastics is proud to have achieved registration to the Environmental Management Standard ISO14001:2004. We are committed to limiting our environmental impact by minimising waste and by recycling packaging. When suitable we can mould reprocessed/recycled material. Our efforts translate into savings for our customers and provide reassurance that our products are manufactured in accordance with current legislation.

“ Rutland Plastics have been a key supplier and contributor to our success over the last eight years. They have proven to be an excellent supplier who delivers a quality product, consistently, without any issues. They adapt well to the fluctuating demands of our industry and are an integral part of the future growth of our business. ”

Paul Burke, Sico Europe



Why Choose Rutland Plastics?

Confidence

- Our reputation for quality and reliability
- 50+ years of experience, expertise and excellence in customer service

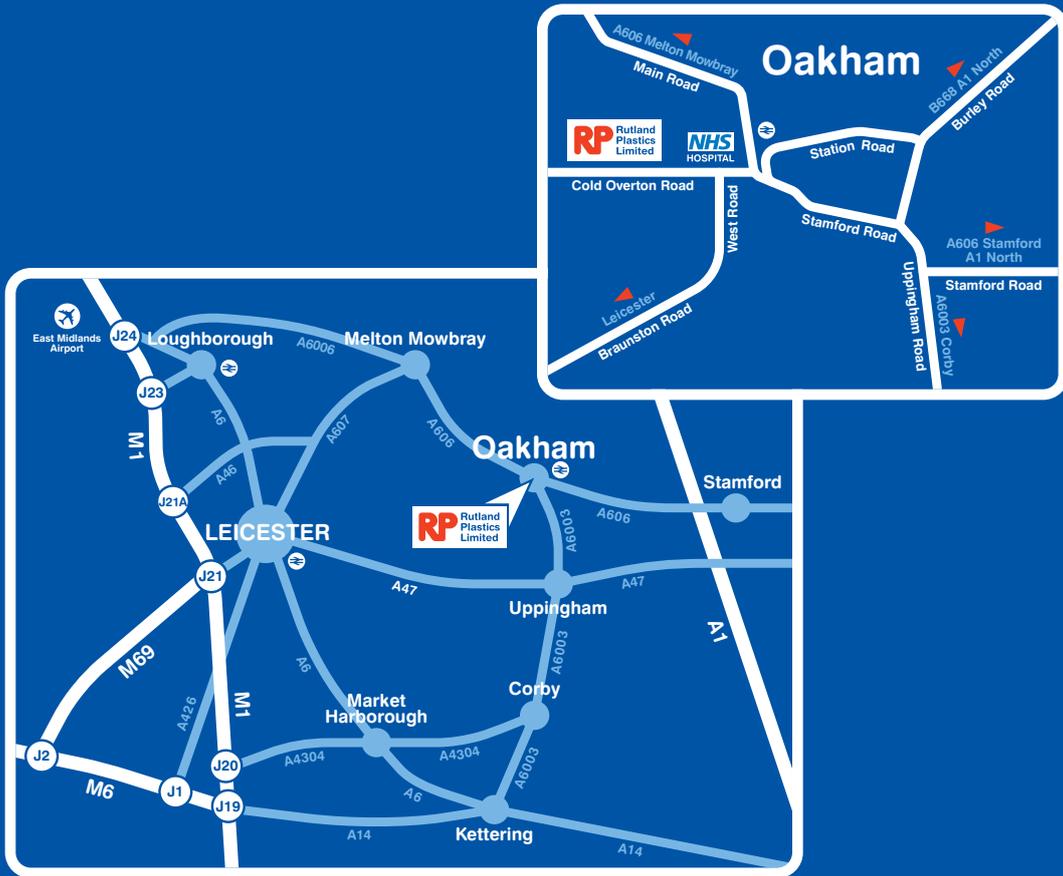
Results

- Our proven ability to deliver cost effective solutions
- Innovative approach to design and production

Value

- Continual investment in people, equipment and premises
- Free no obligation advice and quotations

Contact us now on **01572 723476** to discover a value for money solution to your plastic injection moulding needs and experience an exceptional level of customer care.



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