



One of the UK's leading Plastic Injection Moulding Manufacturers

PLASTIC INJECTION MOULDING



DESIGN ENGINEERING



TOOL MAKING SERVICES



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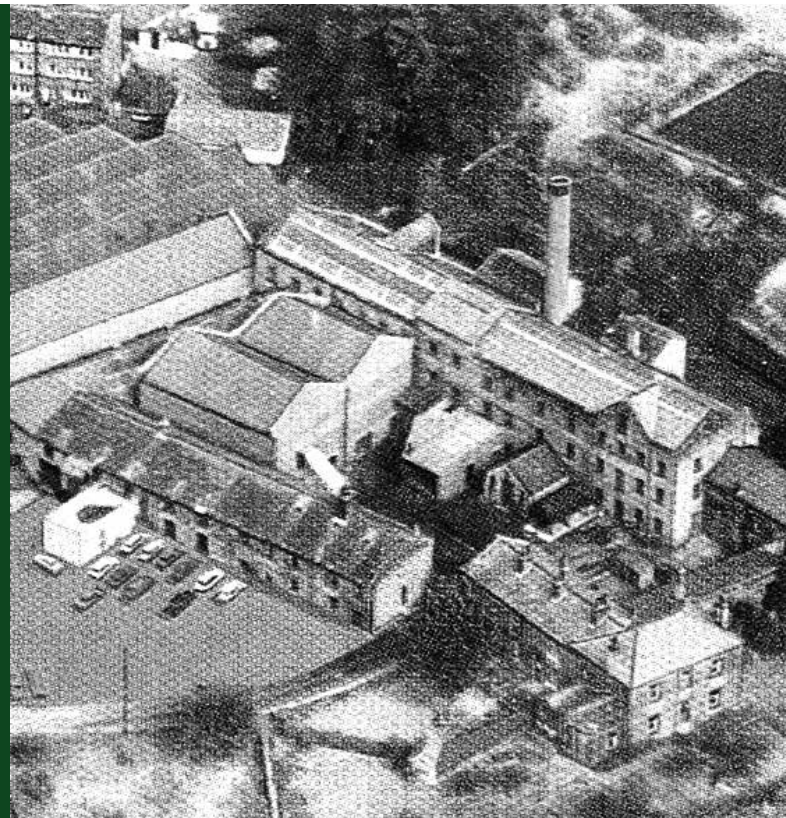
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OUR HISTORY



Fisher Plastics was founded in 1955 by Harold Fisher who was involved in the introduction of injection moulding into the UK.

From these solid foundations the business has evolved year on year and is now recognised as one of the UK's established leading innovators of Plastic Injection Moulding. Fisher Plastics produces many different mouldings for various industries each year.





Fisher Plastics specialises in Plastic Injection Moulding, Design Engineering and Tool Making services. We provide both a flexible and rapid solution service to the industry and welcome the opportunity to see how we may be able to assist your company.

With our passionate team of highly experienced in-house engineers, toolmakers and injection moulding teams we can transform your initial idea from concept stage all the way through to a finished and assembled working product.

Consistent quality is applied by our experienced engineering team to ensure the necessary assurances take place on every project.



**20,000 SQ FOOT FACTORY
WITH 200M² OF STORAGE**

**TOOLING CAPACITY
UP TO 10 TONNES**



**ON-SITE MODIFICATION
AND REPAIR**



QUALITY

Our ISO 9001:2015 quality management system gives each customer total peace of mind that all products are manufactured to the highest standard. Our professional mould management and maintenance procedure ensures that customers receive consistent quality products and services.

Great importance is placed on customer requirements. At every stage of the project we ensure a smooth delivery process is maintained all the way through to full production.

Machine set-up and operating conditions are an essential part of the quality control system.

Manufacturing, quality and inspection are documented and displayed at the machine press. All the relevant information required by the operators and inspectors to determine product consistency and quality, thus resulting in on-time customer delivery.



ENVIRONMENT & PRODUCTS

**FISHER PLASTICS TAKE GREAT CARE IN BEING
AN ENVIRONMENTALLY RESPONSIBLE COMPANY**

We have an ethos of purchasing and recycling our own materials where ever possible with our on-site recycling facilities.

Our waste cardboard, oil and redundant tooling is all responsibly recycled back in to the manufacturing system, further reducing our environmental foot-print.



OUR SERVICES

PLASTIC INJECTION MOULDING

Prototype Tooling & Moulding

We can provide a prototype tool that is tested and developed before investment is made in a fully functional quality steel Aluminium tool.

This solution has been designed to accommodate new-part projects as well as customers requiring low-volume production of parts.

During the prototyping stage, various methods of manufacturing, material selections and processes are investigated and actioned to achieve the required finished product.

Fisher Plastics offers customers the service of working with them through this tricky stage to achieve the desired prototype parts.



Colour Matching Service

Fisher Plastics offer the service of colour matching your bespoke or corporate colours with consistency and repeatability, giving you peace of mind time after time.





Materials

At Fisher Plastics we specialise in processing numerous Injection Moulding thermoplastic materials, these include but not restricted to: PMMA, POM, ABS, SAN, PPS, PA, PC, HDPE, LDPE, CoPP, PPH, HIPS & PVC.

We have an established network of material suppliers which allows us to provide competitive pricing in raw materials.

MATERIAL	DESCRIPTION
Acrylic (PMMA) (Poly methyl methacrylate)	Transparent thermoplastic with excellent rigidity, strength and optical clarity.
Acetal (POM) Polyoxymethylene	Engineering thermoplastic offering outstanding dimensional stability, low friction and high stiffness properties.
Acrylonitrile Butadiene Styrene (ABS)	Highly modifiable thermoplastic with excellent impact resistance, toughness and processing properties.
Polyphenylene Sulphide (PPS)	Rigid engineering thermoplastic offering exceptional heat, chemical and flame resistance.
Nylon (PA) Polyamide	Crystalline thermoplastic providing excellent chemical and wear resistance as well as offering toughness and rigidity. Nylon allows for various glass and fill types.
Polycarbonate (PC)	Common thermoplastic providing noteworthy impact resistance and transparency.
High Density Polyethylene (HDPE)	Highly solvent resistant thermoplastic known for its large strength-to-density ratio.
Low Density Polyethylene (LDPE)	Naturally opaque thermoplastic offering high impact strength, moisture and chemical resistance.
Polypropylene (PP)	Incredibly dynamic thermoplastic used in a wide range of applications. PP offers excellent impact strength, resistance to stress and cracking and fill-capabilities.
High Impact Polystyrene (HIPS)	Relatively low-cost thermoplastic with excellent impact strength, heat resistance and dimensional strength.
Polyvinyl Chloride (PVC)	Common thermoplastic offering great mechanical strength, toughness and UV resistance. PVC is used in an increasingly wide range of applications.

OUR SERVICES

ENGINEERING DESIGN SERVICES

We offer a full turn-key package to all of our customers.

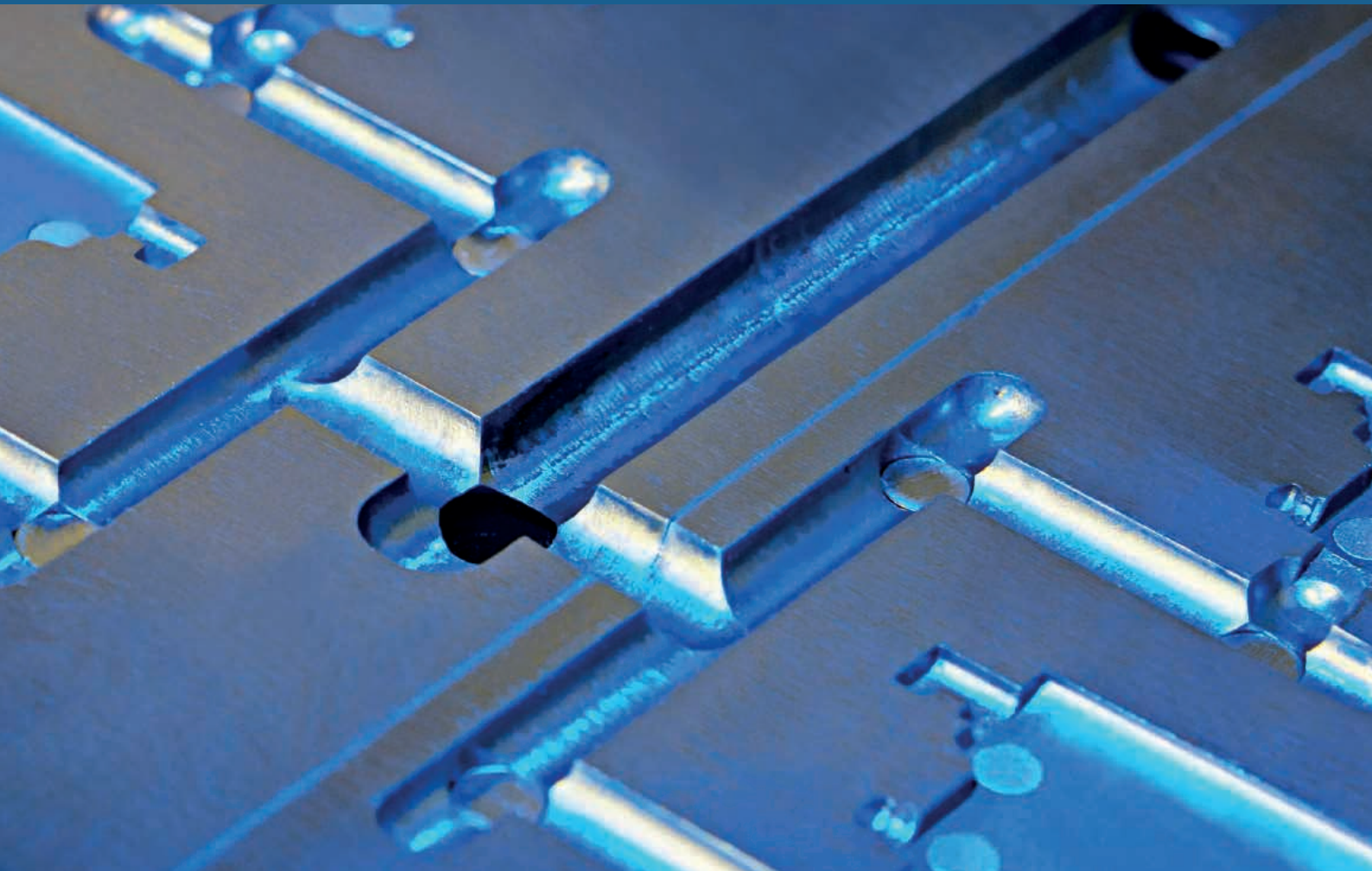
By utilising the latest in industry design skills and technologies, we strive to offer our customers peace of mind by way of design analysis, quick processing times and cost-effective moulding solutions.

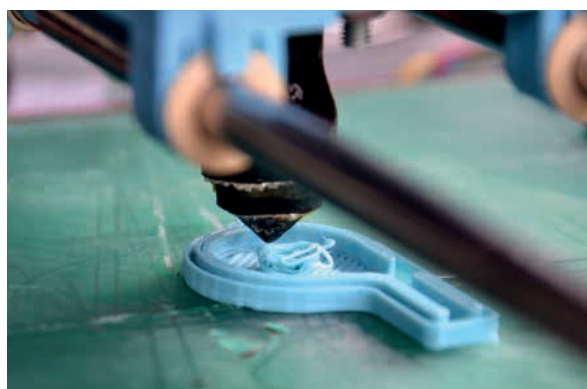
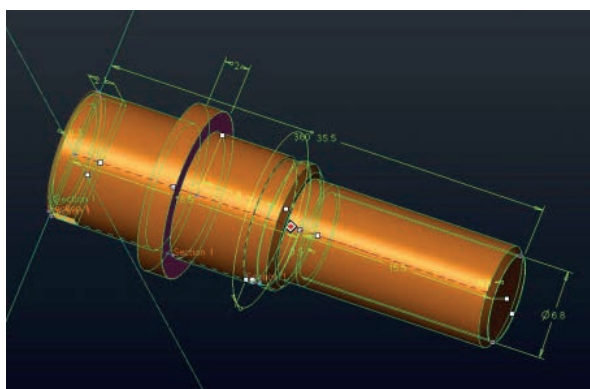
In offering an ISO 9001:2015 manufacturing standard, our team of highly experienced in-house staff and dedicated network of toolmakers are on hand to offer our customers the relevant direction, recommendations and full project management services.



Send us your 3D file: /stp / .igs / .x_t / .x_d / stl

We will work directly with your existing / native CAD data and provide a full project management service.





2D / 3D Drawings

The first stage of producing your manufactured part is to create design drawings. Our toolmakers and designer engineers are able to present a service of managing the planning and completion of required CAD drawings.

Prototypes

By use of our network of toolmakers and 3D printers we are able to oversee the planning and production of 3D printed prototype parts. The advantage of a working 3D prototype allows you to physically see the finished parts, this also allows for a range of testing platforms before investing in final tooling.

External 3D printing service

3D printing will produce a visual prototype illustrating geometry, size and any design features. This provides an invaluable insight highlighting any design issues or corrections which may need to be made before tool investment.



We can help you create your next project

Our expert team can provide the relevant technical advice and guidance.

OUR SERVICES

TOOL MAKING SERVICES



In-House

We are able to offer customers the service of in-house tool modification and repair service. This eliminates the need to move tooling off-site for servicing or fault finding.



External

Our network of established local and international tool makers are able to offer tooling solutions designed to accommodate an extensive range of customers and associated requirements.

We source tooling from various partners across the globe. This gives customers the benefit of comparative pricing and comprehensive choice.

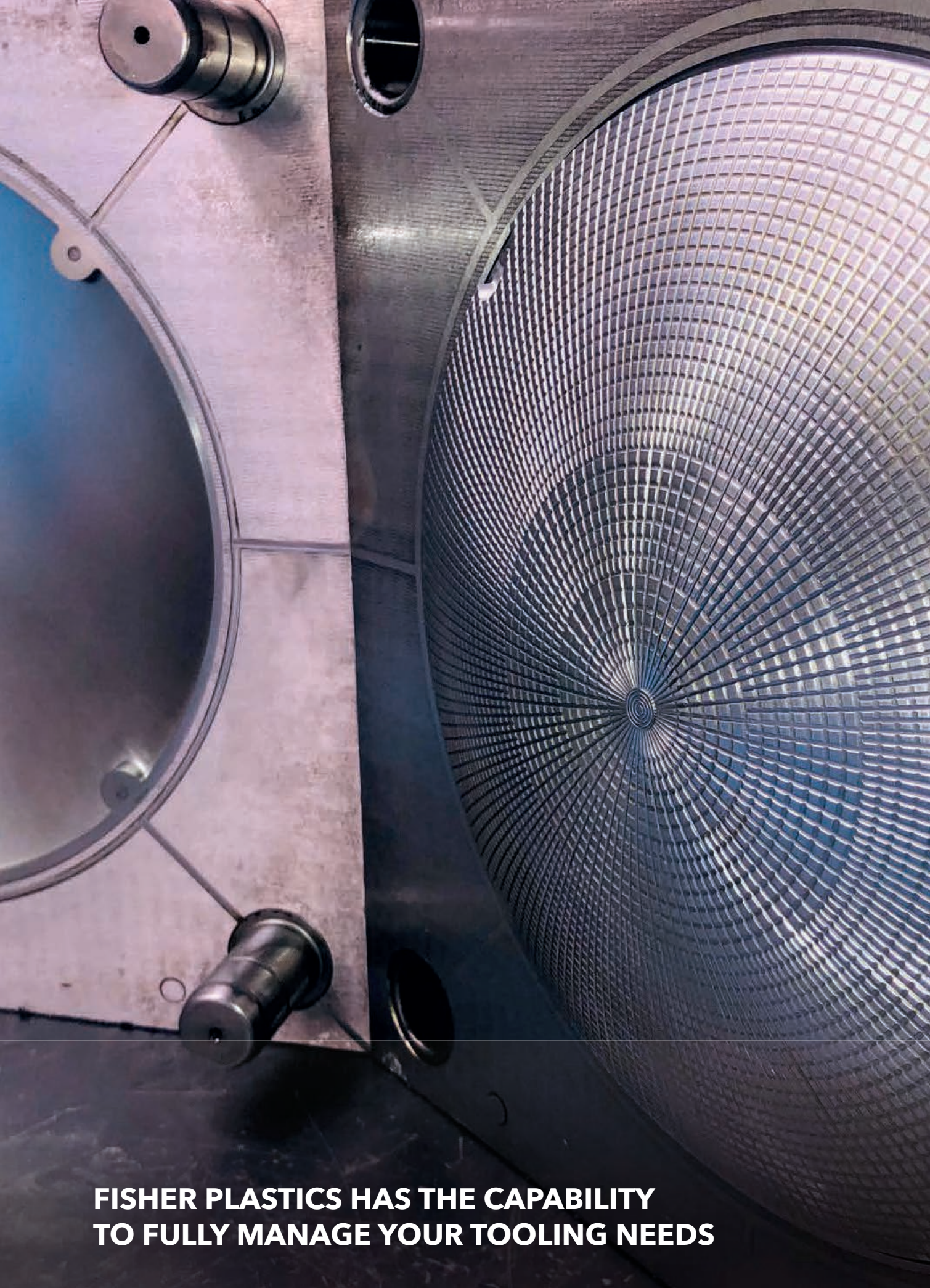
New Tool Making Enquiry

If you would like to make a new enquiry, please let us know the following details:

- Is it a high or low volume moulding?
- Which material would you like moulded?
- Do you require associated CAD drawings?
- What is the number of impressions/cavities required?

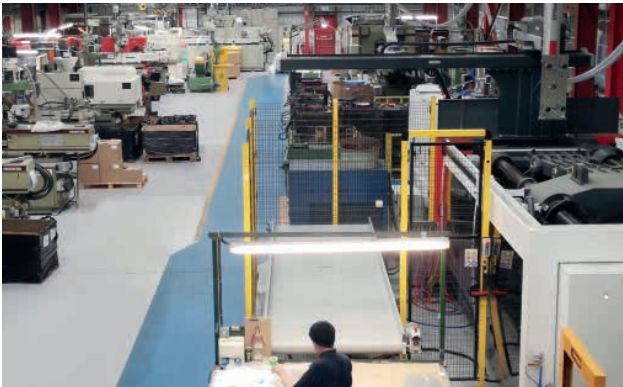
We can advise and assist on all aspects of the above.





**FISHER PLASTICS HAS THE CAPABILITY
TO FULLY MANAGE YOUR TOOLING NEEDS**

OUR MACHINES EQUIPMENT



With a locking force ability spanning 22 to 800 tonnes across 13 injection moulding machines, we are proud to offer Injection Moulding capabilities to suit an extensive range of customer requirements.

Equipped with a 20,000 sq foot operations factory, we are able to offer a full turn-key solution by way of assembly, finished and bespoke machine operations.

We take pride in maintaining a strict ethos of maximising speed, efficiency and staff capabilities. This results in a maintained international quality standard of which we can be proud of.



**INJECTION PRESS RANGE
22-800 TONNES**

13 INJECTION MOULDING PRESSES SHOT WEIGHTS BETWEEN 48G TO 3,870G

Moulding Presses

We have a wide range of moulding presses. Below are examples of our minimum and maximum locking force capability machines:

BOY 22T



LOCKING FORCE (kN)	PLATEN THREADS	"T" SLOTS	L/RING Ø	TIE BAR
220	M12	No	110mm	254 x 350mm
MOVING PLATEN C/HOLE	EJE	EJECTOR BAR THREAD	SHOT SIZE	
55mm	80mm	M/C own	64cc	
MOVING PLATEN KO BAR HOLES	MIN & MAX MOULD HEIGHT	MAX STROKE		
-	200mm	200mm		
SCREW DIAMETERS	CORE PULLING	OVERALL PLATEN SIZES	CLAMP TYPE	
24mm	No	400 x 220	Old	

NEGRI BOSSI 800

LOCKING FORCE (kN)	PLATEN THREADS	"T" SLOTS	L/RING Ø	TIE BAR	MOVING PLATEN C/HOLE
8000	M20	Yes	200mm	950x1100mm	-
EJE	EJECTOR BAR THREAD	SHOT SIZE	MOVING PLATEN KO BAR HOLES	MIN & MAX MOULD HEIGHT	
350mm MAX Stroke	M24	5160cc	-	400mm to 1100mm	
MAX STROKE	SCREW DIAMETERS	CORE PULLING	OVERALL PLATEN SIZES	CLAMP TYPE	
1080mm	110mm	Yes x 3	1400 x 1550	Lenzke	



METALLIFORM GROUP COMPANIES

Fisher Plastics is part of the Metalliform Group which consists of Metalliform Holdings and Arena Stadia Seating.



Inspirational Educational Furniture



Inspirational Office, Dining & Educational Furniture

Located in the heart of Barnsley, Yorkshire, Metalliform Holdings has a 80,000 square foot manufacturing facility which employs over 100 full-time skilled personnel. This enables a quick and efficient response to customer requirements throughout the UK and Internationally.

Metalliform Holdings is proud to be a British manufacturer supplying to schools, colleges, universities, purchasing supply catalogue customers, office suppliers,

construction companies and local authorities. Their educational furniture ranges are built to withstand the heavy demands of everyday school life, whilst still providing a stylish finish at an affordable price. Furniture is produced in a unique combination of high volume bespoke and standard products available from a choice of over one million size, colour and shape combinations.



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- sales@metalliform.co.uk
- www.metalliform.co.uk
- metalliformltd
- metalliform-holdings-ltd



The Oval Cricket Ground, London



Stadia Seating



Spartacus Seat



Colosseum Seat

Arena Stadia Seating provide a complete seating and service solution for a wide variety of applications. The key elements in all of their products are comfort, durability, safety and ease of maintenance.

All products are manufactured, assembled and despatched from the same Barnsley facility as Metalliform giving customers confidence in delivery, high quality standards and service with British manufacturing.

Arena Stadia Seating work alongside construction companies, architects and directly with the end customer.






Arena Stadia Seating are committed to providing a service based on the highest quality products, an understanding of the clients needs and total dedication to the project from product design through to manufacture and on-site installation.

Offering a diverse portfolio of products enables customers to select from a range of styles and specifications catering for all budgets and applications.

Specialist seating for:

- Sports Stadia
- Multi Event Arenas
- Swimming Pools
- Leisure Centres
- Education
- Retail
- Export
- Specialist Projects



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-  ArenaStadia
-  [arena-stadia-seating-ltd](https://www.linkedin.com/company/arena-stadia-seating-ltd)

METALLIFORM GROUP SERVICES



Our group offers a unique range of services which help benefit each of the three companies within the group.

WOOD MACHINING



- 3 CNC Routers, 2 pod and rail, 1 matrix bed
- 1 rear loading CNC saw
- Press line for laminating board
- ABS edge banding
- Finishing capabilities in water based lacquer and PU



To make an enquiry for any of Metalliform Group services, or to discuss your next project, please get in touch.

METAL FABRICATION



- 11 manual CO2 welding bays
- 4 CO2 robotic welding cells,
- 2 new ABB flex arc robot cells with twin robots and manipulators
- 4 CNC tube benders with capability up to 50mm diameter tube

ELECTROSTATIC POWDER COATING PAINT LINE



- Gema automatic paint booth
- Fast colour changes in less than 4 minutes
- Capable of small batch runs
- A dedicated skilled assembly line for all capabilities



ASSEMBLY & UPHOLSTERY

- 8 manual assembly stations to build all types of furniture
- Upholstery department for soft seat furnishings

STORAGE FACILITIES



- Significant spare capacity for customers requirements (P.O.A.)
- Secure storage with monitored CCTV
- 35,000 sq ft. storage facility



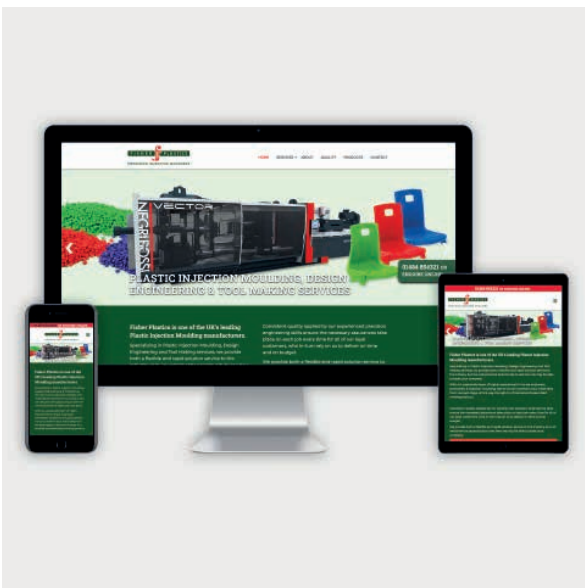
TRANSPORT

- Own fleet of vehicles up to 18 tonne
- Local and nationwide delivery service
- Collection service available



CUSTOMER SERVICE

- Personalised Account Manager service and after care
- Understanding customer needs
- Dedication
- Product knowledge
- Attentiveness
- Effective communication



MARKETING

- Artworking service
- Brand awareness
- Graphic Design
- Marketing support
- Digital marketing



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