

COBA

plastics moulding

design . develop . deliver



Thermoplastic Injection & Overmoulding Solutions



www.cobaplasticsmoulding.com

ABOUT COBA PLASTICS MOULDING

COBA Plastics Moulding is part of the dynamic COBA Plastics group of manufacturing companies.

Founded in 1966, COBA today employs over 900 people operating out of ten facilities in seven countries, enjoying global recognition.

COBA Plastics Moulding is the Group's specialist injection and overmoulding division. Operating from our new purpose built facility in our group headquarters in Fleckney.

INJECTION & OVERMOULDING

COBA Plastics Moulding's skilled and efficient workforce produces a diverse and competitive range of plastic mouldings for a broad base of customers in the automotive, electrical, mechanical and houseware industries.

We specialise in technically demanding components with short lead times, based on volumes from a few hundred to several million. Innovative technical assistance is available for both component and tool design.

With over 45 years of plastic moulding experience we are by reputation, the natural first choice of our customers.

22

Injection Moulding machines.

45

Years of Injection Moulding expertise.



COBA PLASTICS GROUP FACILITIES

- **Fleckney I, South Works**
Extrusion
Leicestershire, UK
- **Fleckney II**
Injection Moulding
Leicestershire, UK
- **Fleckney III, West Works**
Precision Engineering
Leicestershire, UK
- **Thurmaston**
Hose & Tube Extrusion
Leicestershire, UK
- **Ansbach**
Office
Germany
- **Ploiești**
Extrusion
Romania
- **Samara**
Extrusion
Russian Federation
- **Terchova**
Extrusion & Injection Moulding
Slovakia
- **Cape Town**
Extrusion & Injection Moulding
South Africa
- **Reach into North & South America**
through partnership with
Gemini Group.

100%

A commitment to 100%
on time, in full delivery.

900+

People across
10 facilities.

LOCAL SERVICE, GLOBAL REACH

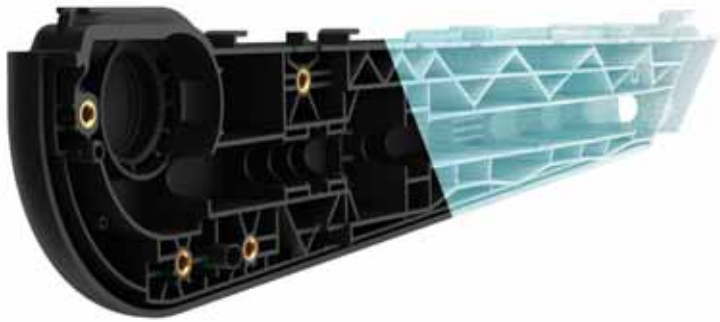
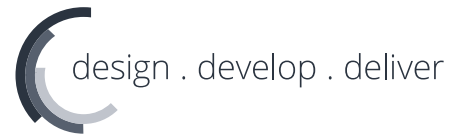
COBA Plastics Mouldings offers the best and most practical solutions, for each customer. We can also provide bespoke services to complement our Extrusion businesses, while COBA Precision, our engineering division, can develop custom tooling for use with our machines.

We support many key industries including; Automotive, Safety, Security, Medical, Packaging, Construction and Electrical.



FULL SERVICE SUPPORT

COBA Plastics Moulding supports many key sectors with premium thermoplastic components ranging from one off parts to full assemblies.



Automotive

Interior Components, Fasteners, Gapfillers and Overmoulding Extruded parts.

Health & Safety

People Management, Waste Management, Wayfinding and Zoning.



Electrical

Electrical System Casings, Clips, Buttons, Levers and Switches.



DESIGN . DEVELOP . DELIVER

Our ethos promotes a 'Design First' way of working where innovation and problem solving flourish, producing versatile, efficient solutions that save our clients time and money.

COBA
plastics moulding



Security

Smoke, Carbon Monoxide and
Intrusion Alarm Systems.

Mobility

Traffic Management, Control System
Casings and Components.



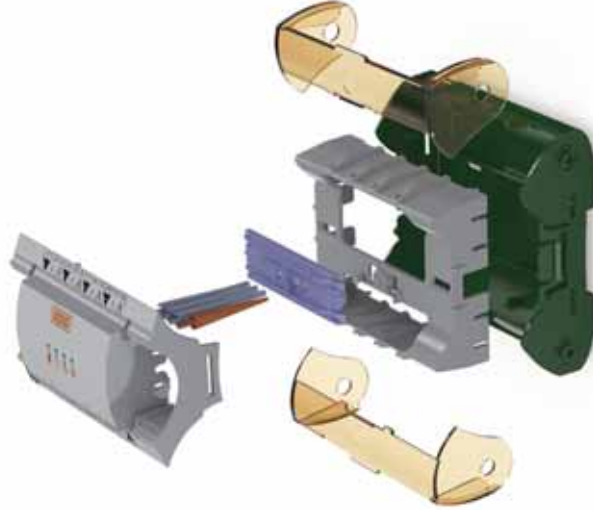
Retail

Full Product Assemblies and
Individual Components.



Electrical Fuse Box Assembly

Multiple component fuse box assembly, manufactured with materials for functionality and visual properties finished off with tamper printed detail.



Zoning & Safety Management (A-SAFE)

Colour-matched safety and zoning components made from 2K materials for soft touch feel and premium finish.

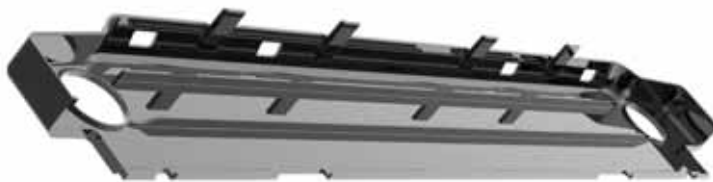


Automotive Trim 2K Winglet

2K injected polypropylene and TPV with adhesive tapes applied – acts as a visual finisher and water repellent seal on vehicle exteriors.

Windscreen Bracket (JLR)

Multifunctional windscreen brackets with flat springs assembled, the brackets hold driving assistance systems including cameras, rain sensors, traffic recognition and collision warning systems.



Engine Cooling System

Injection moulded baffles used to manage airflow around the engine cooling system and radiator. Glass filled material for strength and heat stability.



I N J E C T I O N M O U L D I N G

COBA's injection moulding capabilities have grown hugely in the last few years through both acquisition and investment in state of the art machinery and a skilled and reliable workforce.

With 22 high tech injection moulding machines in our new facility, and a clamping force ranging from 50 mT to 420 mT we can meet all of your plastic moulding needs.



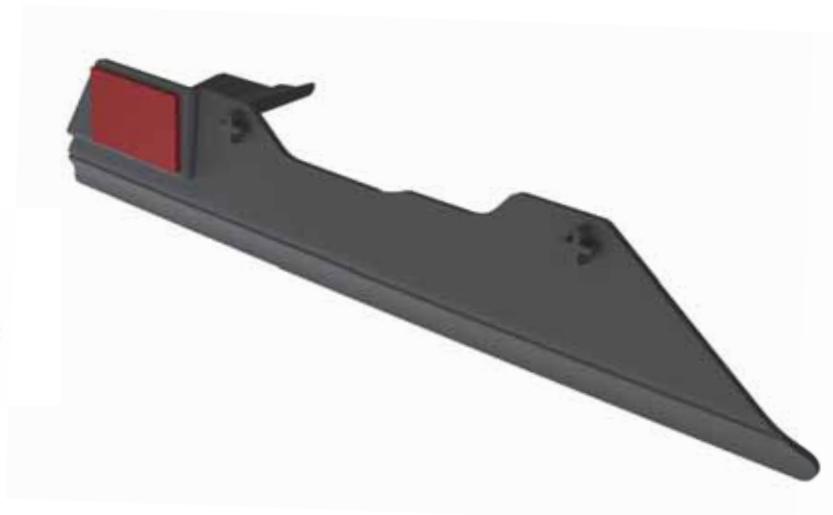


2 K I N J E C T I O N M O U L D I N G

The 2K or 'two-shot' injection moulding process opens a world of possibilities for component performance and/or cost reduction. Simply put, it allows us to combine multiple polymers in a single process, creating individual parts that perform multiple functions.

2K injection moulding is perfect for combining hard and soft plastics, but it's also ideal if you want to combine two colours of plastic in one mould. The first material injected is still hot and clean, enabling the best possible bond, and a much-reduced risk of burning.

Because of the chemical bond created between the two materials, outstanding adhesion is achieved; all without the thermoplastic portion requiring a chemical pre-treatment. The outcome of this is both an efficient and cost-effective process.





O V E R M O U L D I N G

Our ever-expanding and evolving overmoulding capabilities, combined with our expertise in product design simulations, weight saving material ideas and use of recyclable materials, allows us to be innovative in the market, and produce a wide range of highly technical components for many industries.

With new overmoulding machines across our facilities in Europe and Africa we add a sought after value added process to our extrusion and injection moulding capabilities.





U L T R A S O N I C W E L D I N G

Our in-house ultrasonic welding facilities use high frequency acoustic vibrations to weld plastic components together and are a key differentiator for COBA.

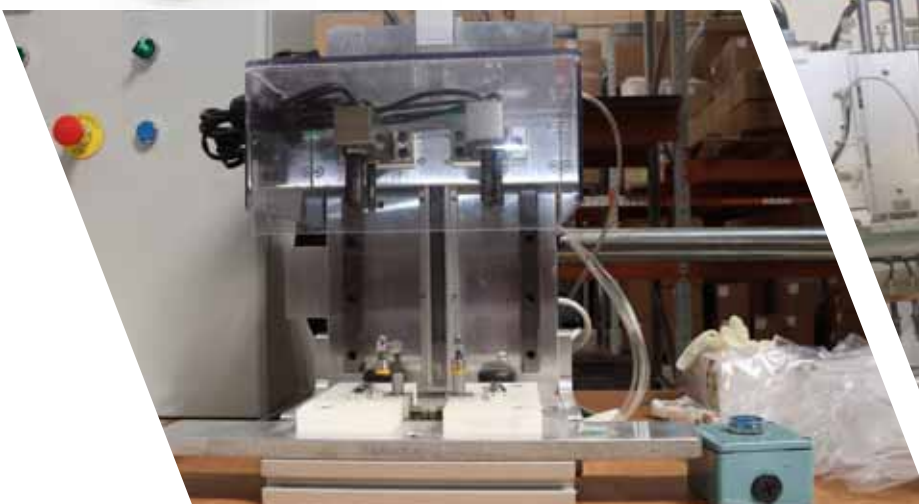
Apart from surface welding, the ultrasonic process can be utilized for staking, flanging, spot welding or to insert metal sockets in the material.

Other established uses are cutting and edge-sealing of thermoplastic films.

O T H E R F I N I S H E S

We can also offer other value added finishes and processes such as two colour moulding, chrome plating, lasering, pad printing and hot foil stamping.

Having these facilities within COBA provides a great opportunity for cost reduction for our customers as we can function as a one-stop-shop for full component production.



M A T E R I A L S

Our material options are vast. There is a choice of over 30 different polymer types and grades processed from co-polymer polypropylenes to PE, PVC, SEBS, TPE, TPV and ABS.

There are many key considerations when selecting the materials for your project to ensure it meets regulations while matching the aesthetic required.

Our experts have over 45 years experience in this field, and are here to assist you in choosing the right material for your project to achieve the colour, weight and strength desired.

A S S E M B L Y

Alongside our value added finishes, COBA Plastics Mouldings can offer a full assembly and second operations service.

Throughout the years, we've partnered on many bespoke projects with our customers. Our experienced team are thoroughly trained in each project by our Quality team whether it's a simply trimming flash and packaging or a complex assembly, ensuring an output that is consistently high grade and on time.



C U S T O M E R S E R V I C E

Our knowledgeable Customer Service team will support you through every step of the project life cycle. Your dedicated Account Manager will act as your single point of contact ensuring ease of communication.

We pride ourselves on delivering excellence, every time, and have achieved full ISO 9001, 14001 and ITAF 16949 certification.





U K I N J E C T I O N M O U L D I N G C A P A B I L I T I E S

Machine	Tonnage	Shot (g PS)	Tie bar spacing (H)	Automation
Arburg	50	105	320	-
Arburg	70	172	370	-
Krauss Maffei	80	197	405	Sepro
Krauss Maffei	80	197/23	405	-
Krauss Maffei	80	183/18	470	-
Krauss Maffei	80	183	470	Sepro
Arburg	100	132	420	Sepro
Arburg	100	97	420	Sepro
Arburg	100	132	420	Sepro
Arburg	100	132	420	Sepro
Krauss Maffei	110	289	530	Sepro
Arburg	150	184	470	Sepro
Arburg	150	184	470	Sepro
Arburg	150	184	470	Sepro
Krauss Maffei	175	476	560	Apex
Krauss Maffei	250	614	630	Wittmann
Arburg	300	607	720	Sepro
Krauss Maffei	420	1400	800	Wittmann
Krauss Maffei	420	1700	800	Wittmann



COBA Plastics Moulding

Get in touch

- +44 (0)116 240 1555
- sales@cobaplasticsmoulding.com
- COBA Plastics Moulding Ltd,
5 Marlborough Drive, Fleckney, Leicester, LE8 8UR, United Kingdom