



## Thermoplastic Injection & Overmoulding Solutions



design . develop . deliver



## 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 out of a state of the art facility in the heart of the Midlands with 3,716 m<sup>2</sup> of factory, warehousing and assembly space.

## 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.

**24**

Injection Moulding machines.

**45**

Years of Injection Moulding expertise.

**900+**








People across 10 facilities.

**100%**

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

**COBA**  
plastics moulding

## COBA PLASTICS GROUP FACILITIES

 <b>Whetstone</b> Injection Moulding Leicestershire, UK	 <b>Ansbach</b> Office Germany	 <b>Samara</b> Extrusion Russian Federation
 <b>Fleckney I, South Works</b> Extrusion Leicestershire, UK	 <b>Sarajevo</b> Office Bosnia & Herzegovina	 <b>Cape Town</b> Extrusion & Injection Moulding South Africa
 <b>Fleckney II, West Works</b> Precision Engineering Leicestershire, UK	 <b>Bucharest</b> Extrusion Romania	
 <b>Thurmaston</b> Hose & Tube Extrusion Leicestershire, UK	 <b>Terchova</b> Extrusion & Injection Moulding Slovakia	

## 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 department, can develop custom tooling for use with our machines.

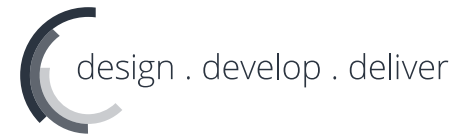
We support many key industries including; Automotive, Safety, Security, Medical, Packaging, Construction and Electrical.





## FULL SERVICE SUPPORT

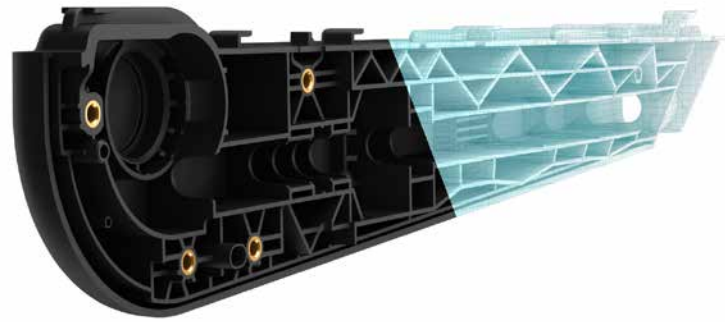
COBA Plastics Moulding supports many key sectors with premium thermoplastic components ranging from one off parts to full assemblies.



## DESIGN . DEVELOP . DELIVER

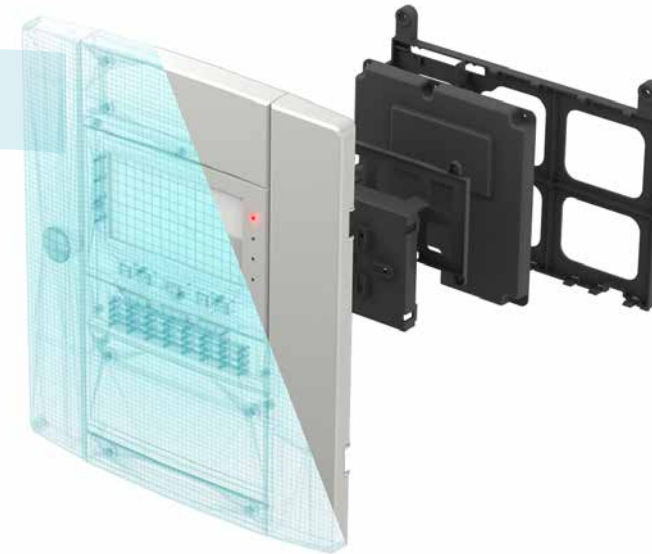
Our ethos promotes a 'Design First' way of working where innovation and problem solving flourish, producing versatile, efficient solutions that save our clients time and money.

**COBA**  
plastics moulding



### Automotive

Interior Components, Fasteners, Gapfillers and Overmoulding Extruded parts.



### Security

Smoke, Carbon Monoxide and Intrusion Alarm Systems.



### Mobility

Traffic Management, Control System Casings and Components.



### Health & Safety

People Management, Waste Management, Wayfinding and Zoning.



### Electrical

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



### Retail

Full Product Assemblies and Individual Components.



## INJECTION MOULDING

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 24 high tech injection moulding machines in our 3,716m<sup>2</sup> UK moulding centre alone, and a clamping force ranging from 50 mT to 420 mT we can meet all of your plastic moulding needs.

**COBA**  
plastics moulding

## 2K INJECTION MOULDING

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.

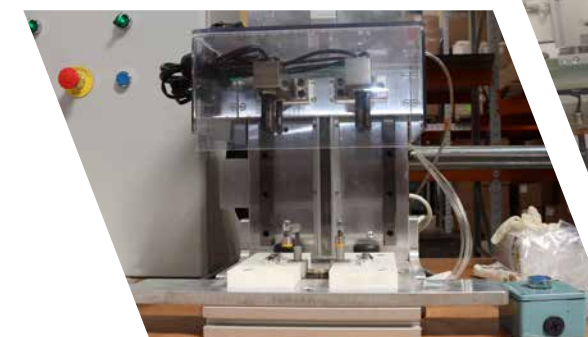
Apart from surface welding, the ultrasonic process can be utilized for staking, flanging, spot welding or to insert metal sockets in the material.

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.





## MATERIALS

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.

## ASSEMBLY

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.

## CUSTOMER SERVICE

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 and 14001 certification.

**COBA**  
plastics moulding

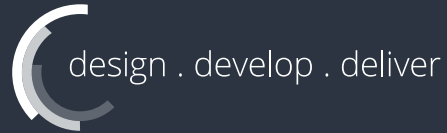
## UK INJECTION MOULDING CAPABILITIES

Machine	Tonnage	Shot GMS	Tie Bar Spacing	Automation
KM420	420	1400	798	Wittmann
KM420	420	1700	798	Wittmann
Arburg 720S	300	607	718	Sepro
KM250	250	614	630	Wittmann
KM175	175	476	558	Picker
KM150	150	393	498	Picker
KM150	150	393	498	Sepro
KM110	110	289	530	Sepro
Arburg 420C	100	132	418	Sepro
Arburg 420C	100	97	418	Picker
KM80 2K	80	197/23	403	2 Shot
KM80 2K	80	183/18	468	2 Shot
KM80	80	275	403	Picker
KM80	80	197	403	Sepro
KM80	80	183	468	Sepro
Arburg 320C	50	105	318	-
Arburg 320C	50	77	318	Integral Picker
Arburg 320C	50	77	318	Integral Picker
Arburg 370S	70	172	368	-
Arburg 370S	70	172	368	-
Arburg 375V	50	54	-	-
Arburg 375V	50	54	-	-
Arburg 320C	50	77	318	Integral Picker
Arburg 320C	50	54	318	Integral Picker





Contact us today for  
information, advice  
and support.



## COBA Plastics Mouldings

### Get in touch

- ☎ +44 (0)116 240 1000
- ✉ [sales@cobaplasticsmouldings.com](mailto:sales@cobaplasticsmouldings.com)
- 📍 COBA Plastics Mouldings Ltd, Block 2, Bays 1- 4 Whittle Estate  
Cambridge Road, Leicester, LE8 6LH

[www.cobaplasticsmouldings.com](http://www.cobaplasticsmouldings.com)