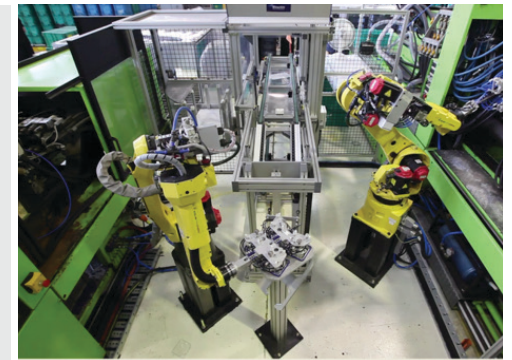


# Moulding.

State of the art capabilities



## Overview.

We specialise in multiple technologies for injection moulding.

Our 70 advanced moulding machines, ranging in size from 10 to 500 tonnes, produce technically and economically superior polymer products and optimised subcomponents for all products.

## Capabilities.

Our process capabilities include:

- Mucell - microcellular foam injection
- Rapid temperature cycling (RTC)
- Injection compression moulding
- Precision moulding including electric machines
- Microfluidics moulding
- Optical moulding
- Gas-assisted moulding
- High temperature heating systems
- Insert moulding
- Two component (2K) moulding
- Clean room ISO class 6

## Part and tool design capabilities.

Our capabilities include:

- MOLDFLOW® and MoldEx
- FEA (Finite Element Analysis)
- Multiple CAD formats supported
- Rapid tool change methodology to maximise capital capacity

## Tool sourcing and maintenance.

Our toolmaking team is responsible for implementing tooling performance improvements, performing preventative maintenance and improving process capability.

We have:

- Access to multiple reliable suppliers in Germany, Japan, China & Taiwan
- An on-site tool maintenance room

## Materials.

Our materials and process systems include:

- Thermoplastic and elastomer moulding using a wide range of engineering resin types, such as ABS, PP, PA6/66, POM, PBT, TPE, PC, PEI, PMMA and ASA (more than 130 different grades)
- Colour moulding
- A central desiccant drying system
- Material drying moisture measurement equipment

## Our people.

Operating three shifts over 24 hours allows our experienced moulding team to provide you with complete moulding solutions.

**Contact us for more information.**