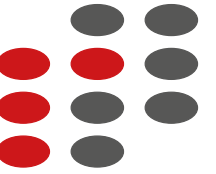




Aluminium Tooling and Plastic Injection Moulding

www.rptechnologies.co.uk



Welcome to RP Technologies

RP Technologies are the UK's leading manufacturer of complex aluminium injection mould tooling along with prototype and production plastic components.

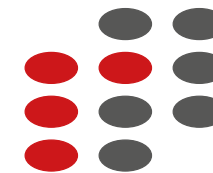
Through precision engineering combined with our wealth of experience, our service offers a fast turnaround of mould tooling and low to medium volume plastic injection moulded components from our UK based manufacturing facility in the West Midlands.

The RP difference

Our “without limits” philosophy means we’ll offer a solution to meet your needs to matter how complex the component design or process. RP manufacture what you’ve designed, no changes just a simple solution. This sets us apart from competitors who may offer a faster service which usually incurs time consuming and expensive design changes before manufacture can commence.

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About RP Technologies

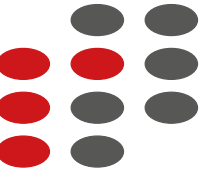
From our UK manufacturing facility, RP Technologies work to ISO 9001:2015 and offer a proactive global service to many market sectors.

RP's simple ethos of "partners not suppliers", paired with ongoing investment in the latest technology and the knowledge, experience and skill set of our people ensures a first rate reputation for high quality at a competitive price.

Sectors Served



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Aluminium Tooling

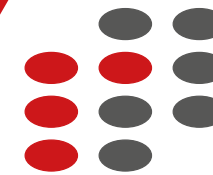
Aluminium injection mould tooling to support prototype, pre-production and production volumes of moulded components.

- Single or multi cavity tools
- Bridge tooling
- High complexity
- Cavities up to 1400mm x 700mm x 600mm
- Hot runner feed systems
- Steel cavities/features
- Threads (internal and external)
- Internal undercuts
- Sliding and hydraulic cores
- Finishes including texturing, graining, polishes
- Engraving
- Modifications
- EDM
- In-house tool design

Mould Simulation Analysis

As part of our in-house Tool Design Processes we use sophisticated software to gain product insights, visualise flow and thermal properties and optimise processes before manufacturing begins.

This not only helps to improve quality, but it also helps to reduce development costs and manufacturing times by eliminating potential issues by using the simulation to analyse the CAD model before manufacture begins.



Injection Moulding

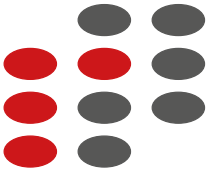
RP Technologies offer plastic injection moulding in any production intent polymer to cover prototype, pre-production and production volumes.

- Capacity up to 600 tonnes
- Shot weight capacity up to 2.3kg
- Grade specific polymers
- Colour matching
- Insert moulding
- Over moulding
- Value added operations including: assembly, painting, decorative finishes and printing
- Hot plate welding

Our vast experience in the prototype industry across a broad spectrum of industries has given us invaluable knowledge on processing a wide range of materials with our aluminium tooling including PEEK, ABS, PC, PC/ABS, PET-G, ASA, SAN, PA6, PA66, PPA, PA12, TPE, TPU, HTN and many more.

Our modern suite of energy efficient machinery enables us to have greater process control, producing high quality, repeatable moulded components.

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Quality Engineering

RP Technologies have a dedicated Quality Engineering department offering full CMM capability through to PPAP level 3 for our Automotive customers, including:

- Process FMEA
- Measurement Systems Analysis Studies
 - Dimension Reports
- Sample Product Parts
 - IMDS Data
- PPAP Warrant
 - SPC

Our Quality Engineers are involved with each project from day one. Being included from the start ensures that we have a good understanding of our customers' quality expectations and can closely monitor the project at each stage to ensure these expectations are met.



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