



the **unseen** advantage

DESIGN ADVICE



PROTOTYPING



PRODUCTION



A leading global manufacturer of custom precision
rubber seals, gaskets and mouldings



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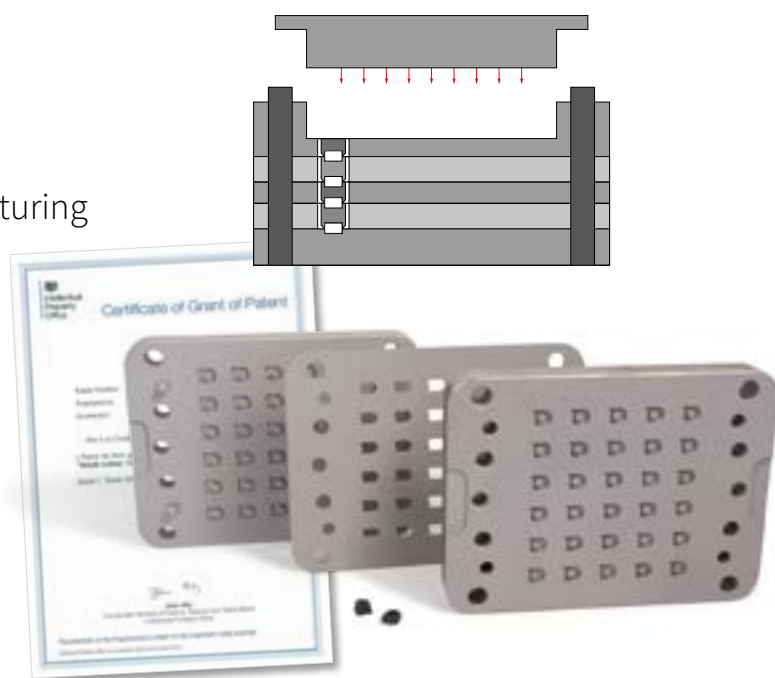
A dynamic heritage and future

DP Seals is a leading manufacturer of custom rubber seals, gaskets and mouldings for a diverse range of industries.

Our mission is to produce specialist custom mouldings for like minded innovative engineers.

Our vision for the future is to expand and push the boundaries of what is possible in our industry by:

- Continuous growth
- Improving facilities and systems
- Conducting and investing in manufacturing techniques and new innovations
- Leading the market for quality control procedures
- Building on our unique, patented tooling process to create the highest quality moulds and tools



As industries transform to a sustainable future, led by innovation and new technologies, DP Seals is adapting to meet any new challenges head on.

“ On behalf of everyone at Mercedes AMG High Performance Powertrains (HPP) and Mercedes-Benz, we would like to thank you once again for the contribution that you have made towards our success in the 2020 Formula One season.

”
Andy Cowell

Managing Director Mercedes AMG





A powerful reputation built on trust

We have been operating for more than 45 years supplying engineering teams across the globe. From the latest generation aircraft to ground breaking medical equipment, from Formula 1 racing engines to the humble steam cleaner, DP Seals' custom rubber mouldings are recognised for going beyond outstanding performance to ensure safety, security and integrity.

Our passion to understand the cost and performance benefits presented by new polymers is underpinned by a continuous investment in engineering and production processes – benefits that will give you that all-important unseen advantage.

Some of the key industries we support include the following:

- Aerospace & defence
- Energy including oil & gas, power and renewables
- Food, beverage & dairy
- Instrumentation & electronics
- Medical
- Motorsport
- Specialist Automotive
- Subsea



Whatever industry you are in, DP Seals operates globally with leading manufacturers ensuring you will be in excellent company.

“ As someone who has been assessing suppliers for over 20 years it was quite apparent to me that DP Seals are technical experts and industry specialists. In meeting our 4M and QCDES standards it was their personal touch and attention to detail that helped set them apart. ”

Natasha Witcombe

Technical Procurement Engineer Ricoh



From the experienced rubber technologist to the newest press operator on the production floor, it's people that make DP Seals different. Independent, privately run, we value everybody's contribution to the customer experience. Most clients visiting our Poole-based factory for the first time are so impressed they rarely leave without placing an order - that must say something!

Every customer receives that same high level of service along with DP Seals' uncompromising quality control.



“ The level of customer service you provided exceeds the level of most companies in the world today. Outstanding. Simply Outstanding. ”

Colleen Pray
Cubic





Custom precision rubber seals, gaskets and mouldings

As a custom manufacturer we love a challenge more than most. Specialists in precision parts, including 0.2mm features and tolerance holding of 0.05mm, all our mouldings are produced to the **highest levels of quality**.

With ingenious and effective solutions we're set up to provide a comprehensive range of parts to help solve the most demanding challenges from ingress, vibration, friction, insulation, electro-magnetic interference and pressure.

“ Off-the-shelf seals and o-rings don't always fit the bill, we often need custom components to meet specific needs, or polymer blends with very demanding characteristics. DP Seals not only delivers the highest quality backed with very sound engineering, its company ethos is very similar to our own. ”

Simon Sharp

Co-founder Hope Technology



Top engineering teams across the world choose us because of the innovation, quality and reliability of our parts which place us firmly at the forefront of our industry.

First class services

Our **dedicated workforce** provides our customers with unrivalled experience and expertise from design advice, material specification, product enhancements and prototyping right through to manufacturing.

Design advice and CAD support

We offer CAD support and co-operate with many design engineers to add value to this stage of their project. Involvement at the earliest stage means DP Seals can add real value to your project, advising on materials, tooling and performance to help ensure your products meet expectations.



“ Throughout the products manufacturing process DP Seals has played a vital role in delivering technical excellence and a first class product in a timely manner. Such service levels and confidence makes managing New Product Introduction relatively stress free! ”

Mark Limbert

Technical Director Ridgemount Technologies

3D Printing and Prototyping

3D printing and prototyping helps us identify faults early. In addition it can help visualise the end result and speed up the manufacturing process.



Tool and mould making

Whether we are producing **one-off mouldings for prototypes, or multi-cavity tools for mass production**, our busy in-house tool room benefits from having the latest rubber mould tool technology. We know how best to section a tool to simplify manufacture and how materials behave under pressure to ensure minimal wastage and flash.



Operated by dedicated and highly trained staff all CNC machinery is directly linked to our Design centre, closing the link between client engineering drawing and custom tooling. This eliminates any area for potential error.

“ It is nice to work with people who support you as best they can, in a fast paced challenging environment. As seal manufacturers go, in my experience DP Seals are head and shoulders above the rest.
Long may it continue. ”

Mathew Cocksey

Managing Director Integral Powertrain



Materials expertise

We are experienced in using **specification materials** and these are readily available in-house. We stock a large range of quality raw materials enabling us to offer fast turnaround to tight deadlines.

We also specialise in providing customised rubber solutions, made from bespoke materials, to survive extremely aggressive environments. This includes high end FFKM Perfluoroelastomers, multi layered silicone in highly conductive and insulative material grades to custom compound HNBR.

In addition we also have **expertise in the production of exciting new materials**, putting us at the forefront of custom rubber moulding, and enabling us to specify exactly the right blend for your requirements.



“ We were extremely impressed with DP Seals’ materials knowledge and manufacturing quality, and the pro-active role they took in helping us solve our problem. ”

Anthony Hall
Lead Engineer Hypertac



Rubber to metal bonding

Our reputation for innovation and materials expertise has proved invaluable in the production of bonded seals and mouldings. You can expect unrivalled materials knowledge and in-tool moulding expertise when you partner with us. This is especially true where high performance and longevity in hazardous environments are of paramount importance.



Miniature plunger, rubber to metal bonded for sampling and analysing sea water samples on mini-sub drone.



Cryogenic cleaning

Our fully-automated CNC- controlled cryogenic deflashing machines are some of the most advanced of their kind in the world. They make the essential cleaning process faster, more efficient and effective by freezing components to their 'glass temperature' T_g. Then by blasting parts with polycarbonate beads any brittle flash is removed.

Fluorination

By partnering with experts in the use of gas phase fluorination, we are able to achieve precision modifications to the surface properties of polymers and rubber. This helps us reduce friction and enhance a number of other characteristics in even the smallest and most complex of components.



We are committed to quality and safety to help our customers meet the strict standards required in the Energy industry. This starts internally with our approach to the health and safety of our people. All staff are provided with information, instruction, training and supervision to safeguard their health and safety. As such all employees contribute towards making the work areas as safe as possible and ensuring the safest practical methods are adopted.

Our Total Quality Management approach is second to none. DP Seals was one of the first custom rubber moulding companies in the UK to achieve **ISO 9001** accreditation. This was soon followed by **ISO 14001** and **ISO 45001**. We have also held **AS9100** approval since 2009.

As a demonstration of our commitment to quality we consistently operate at an actual defective parts per million (**DPPM**) of below 200.



“ We were particularly impressed with DP Seals’ responsiveness, extensive materials knowledge, engineering expertise, and competitive pricing. They also identified opportunities to simplify our moulding, making it easier to manufacture without compromising performance. ”

Stuart Robertson
Limpet Technology





Cost-effectiveness and value

We work closely with customers to deliver cost-effective solutions and add value to every phase of production. Custom materials and parts can often provide a more efficient solution due to longer life, reduced maintenance and operational costs. On top of this they can also deliver greater sealing surface, lower friction and improved quality of finish.



Our project managers ensure budgets and capacity plans are managed efficiently and as such we have some of **the best on time delivery rates in the industry**, consistently operating **above 98.5%**.

Environmentally friendly

We have **ISO 14001 Environmental Management approval** which demonstrates our commitment to reducing any actions that have an adverse effect on the environment. We aim to prevent pollution, fulfil our compliance obligations and save natural resources by operating in the most environmentally efficient and friendly way, recycling and reusing where practical.

“ One of the keys to maintaining SMT throughput is the rubber mouldings that protect components from the nozzles, they need to be soft but highly durable. After extensive checking of rubber moulding companies, only DP Seals underwrote component performance with the exceptional quality standards we demand to ensure continued zero-defect nozzle delivery. ”

Sean Cassidy

Manufacturing Manager Metro Technologies



Choosing the best partner for your project can be a key factor in its success. So when you decide we're the people for the job, what can you expect from us?

On time, every time

- In-house project management to keep things on track
- On-line data exchange and CAD/CAM links to speed up communication
- In-house tool room for faster production
- 3D printing of prototypes to speed up testing and quickly iron out problems

Quality without compromise

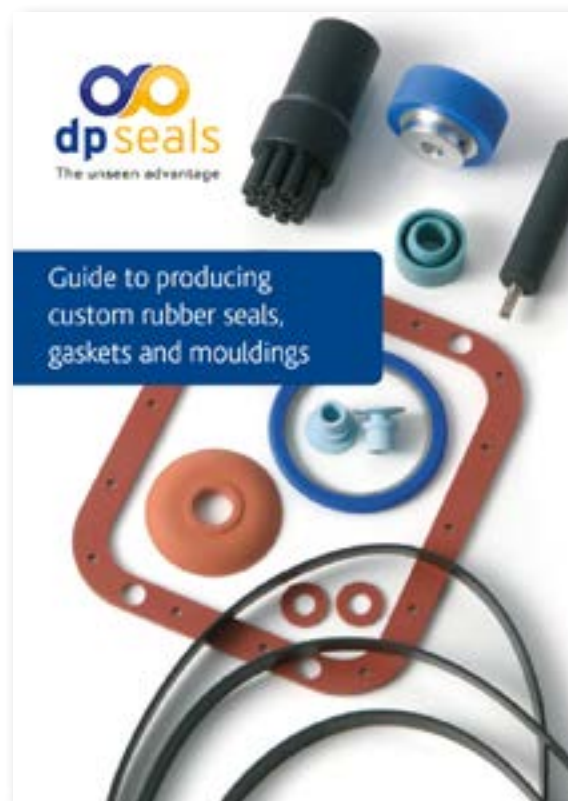
- One of the UK's first custom rubber moulding manufacturers to achieve ISO 9001
- Accredited to ISO 14001, ISO 45001, AS 9100 Rev D and BAE systems approval
- Unique closed cavity moulding process
- Automated cryogenic cleaning systems for flashless mouldings

Specialist expertise

- Product advice to help solve your most difficult issues
- In-house tool making and complete manufacturing process
- Unrivalled materials expertise in advanced rubber technology for extreme environments
- Pioneers in precision moulding extremely soft rubbers down to 10 Shore
- In-tool rubber-to-metal bonding

Added value, extra support

- Chemical Compatibility app to help you check rubber material suitability
- Unique Guide to custom rubber seals to broaden your knowledge still further
- No obligation, expert advice from our materials technologists





www.dpseals.com

If you want your product to be the best it can be,
manufactured to the highest quality using materials
guaranteed for the application and operating environment
- and delivered on schedule -
talk to us today.

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