



MEDICAL (PLASTIC)

Injection moulding plastic components for your new medical supplies product

If you're launching, redesigning or replacing a medical product, Crossen Engineering is ready to work alongside you for the entire process. We complete all injection mould tooling and production in-house, so we're ideally placed to take your new product from the drawing board and into full production using medical-grade thermoplastics.

Flexible on volume

From short-run prototypes to high volume production runs, we efficiently deliver the quantities you need. Always to your exact specification and of consistently high quality.

Plastic parts of any size

We engineer everything from the smallest component on a medical device through to large parts for postural support.

Control your lead times

Get to market more quickly by completing prototyping, tooling and manufacturing under one roof at our premises outside Belfast, N. Ireland.

Clinical standards

We will help you achieve the perfection needed to succeed in the medical sector by providing cost-effective revisions to your prototype until it is doing exactly what you, patients and practitioners need it to do.





Case Study

Plastic parts that give peace of mind

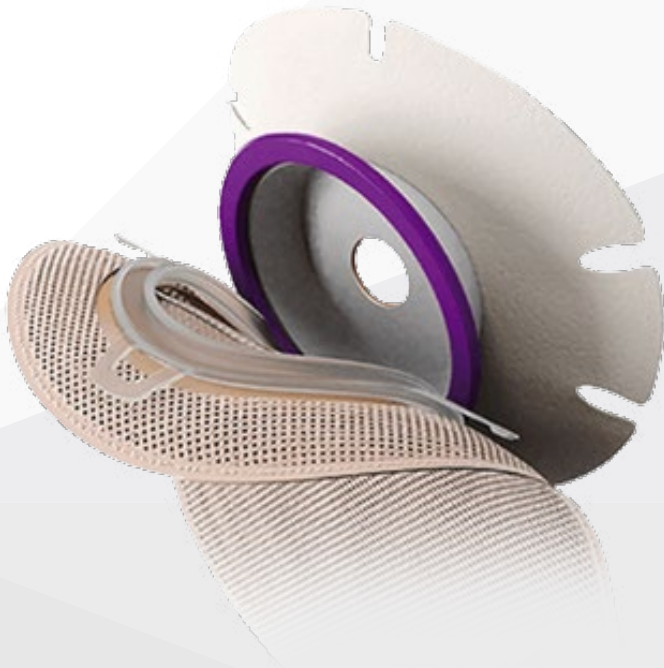
People depend on a reliable seal between their stoma wound and bag to avoid leaks and the associated anxieties. Working with a world-renowned Ostomy product manufacturer, they tasked us with producing a two-part plastic seal that would avoid leaks but also enhance ease of use. Even the tightest seal is useless if it prevents quick and easy removal of the bag.

In conjunction with their R&D team, we created aluminium prototype & development mould tooling for a short-run of a male and female rings to form the seal. Ostomy bag users gave their feedback during trials. We tweaked the design and mould accordingly – fractions of millimetres meant the difference between an embarrassing or frustrating user experience and the complete peace of mind towards which our customer is offering its users.

The seal of approval from users

After confirmation from the user testing programme that the latest prototype was working as intended, we helped to transition from the low volume trial process to high volume production. We created new tooling to allow multiple parts to be produced simultaneously, bringing manufacturing costs down to the required price per unit. Our production line operates 24 hours-a-day to meet demand for this part.

As well as forming the seal, the eye-catching purple ring is produced in the customer's brand colour and also serves as a visual guide to help the user locate where to attach their bag as part of the two-piece flat system.



Let's discuss your medical supplies products

We would love to talk to you about your latest designs and the options we can offer for manufacturing it quickly, efficiently and precisely.

