

DEVICE CONTRACT MANUFACTURING

Bespak by Recipharm delivers market leading design, development, and manufacturing services for drug delivery devices to the global pharmaceutical market, at low, medium and high volume manufacturing scales. We have extensive experience in producing medical devices, including inhalers, nasal technologies, and auto-injectors, for some of the world's leading pharmaceutical companies.



OUR CORE CAPABILITIES INCLUDE:

- ▶ Injection moulding
- ▶ Metrology
- ▶ Rapid prototyping
- ▶ Marketing support and lifecycle management

- ▶ Programme management
- ▶ New Product Introduction (NPI)
- ▶ Analytical services
- ▶ Quality and regulatory
- ▶ Innovation

INJECTION MOULDING

With over 50 years' experience in the field, our experts offer a range of reliable injection moulding capabilities for medical devices.

Our team of process, tooling and moulding technical experts offer our customers a large range of injection moulding capabilities:

- ▶ Single to 128 impression mould tools
- ▶ 2K injection moulding and over-moulding
- ▶ Micro-moulding to 300T
- ▶ Multi-component injection moulding

MANUFACTURING

We pride ourselves on delivering manufacturing excellence through a variety of core competences, including:

- ▶ Precision injection moulding
- ▶ Competent handling
- ▶ Complex high speed automation
- ▶ Competent inspection

Through continuous improvement and rigorous in-process testing we deliver the highest levels of cGMP control, regulatory compliance and quality.

METROLOGY

Our team of qualified metrology engineers are able to reduce delivery timescales by supporting development throughout the product lifecycle, from conception through to commercialisation and manufacturing. Designing our metrology fixtures and programmes in-house enables us to remain at the forefront of innovation and allows us to customise the support we offer to our customers.

OUR KEY METROLOGY FACILITIES INCLUDE:

- ▶ Computer tomography (CT scanning)
- ▶ Reduction in late-stage product alterations in NPIs and commercial manufacture
- ▶ Fast full component dimensional inspection reports for mould tool approval
- ▶ Quick diagnosis of product functionality
- ▶ Coordinate measurement machines
- ▶ Access to expertise in measuring in-process control (IPC) dimensions of moulded medical components

NEW PRODUCT INTRODUCTION (NPI)

Our extensive experience in producing medical devices at all manufacturing scales means our industrialisation process is managed by our tried and tested NPI process. This framework is based on the key principles of product quality planning and incorporates our structured risk-based programme management approach.

The framework evaluates progress at each stage of production, offering a clear view for our customers to actively participate in the process. This allows for a smooth transition from early stage design to commercial manufacturing. The approach we take recognises that no two products will necessarily follow the same path, and ensures every programme is customised to reflect the requirements of each customer.

We also ensure that all experiences and insights are captured and that these findings are incorporated into future programmes, meaning that we are continuously evolving our best practices.

About Bepak by Recipharm: Bepak by Recipharm delivers market leading design, development and manufacture of drug delivery devices to the global pharmaceutical market. This includes inhaler, nasal technologies and auto-injectors as well as development and manufacturing services. Recipharm is at the leading edge of drug delivery device innovation. Driven by customer and patient demand, our innovations have the potential to create new treatments and opportunities across the globe as well as accelerating routes to market.