

# Prototyping

micronit

Prototyping is an essential part of the early stages of product development. In the early stages of a project, we often see very intuitive concepts. Although these concepts can be incredibly ingenious, they are not always a solid base for successful large-scale production. Our teams are well-aligned and experienced in making successful transfers to production, resulting in higher quality products and faster lead time.

## Bringing your idea to life

Transform your assay or concept into a high-quality prototype for a quick and confident transition to the next phase of product development.

Our team of experts are here to help you. We love the challenge of demanding prototypes with high levels of complexity! Creativity and innovation are part of our craftsmanship.

At Micronit you are in direct contact with experts. At the start of the design phase of the proto run, an engineer is assigned to your product and he or she will be your point of contact during the whole process.

Every request is unique and will be treated as such. This way, your product gets the attention it needs in the right time. Thoroughness is our way of working: we'd rather make adjustments in the design phase than find out that a produced prototype is not quite right after all.



# What does a typical prototyping procedure look like?

Six steps to be taken in a typical prototyping process.

## 1 • Submit your idea or concept

Once you have completed the contact form, we will get in touch to collect the first details. We are curious about your industry, your business case and the basic technical data of the product you are developing.

## 2 • Design submission.

In this phase we ask you to provide us with information regarding the requirements of your prototype (in the form of drawings or technical specifications). If necessary, an NDA can be drawn up prior to this phase.

## 3 • Feasibility assessment.

Taking into account all the requirements, we investigate the manufacturability of the product and in this way assess the feasibility of the requested design. If necessary, we provide feedback and/or propose iterations to create a feasible prototype.

## 4 • Quotation & Order.

Once we have a 'go' on feasibility, a quotation will be submitted. After confirmation, the order is complete and the prototyping request is passed on to our design department.

## 5 • Design & Design approval.

One of our engineers will guide the design and development process. Based on all existing information, a design is made that will be presented for your approval. Only after full consent on your part, production will start.

## 6 • Production.

A fixed number of prototypes is produced according to the approved design and delivered to you as agreed.

The time frame of a prototype run depends on the complexity of the design and the number of adjustments that have to be made. The aim is to deliver a prototype within 4-8 weeks from the start of the design phase.

# Hassle free prototyping.

Prototyping is a crucial step in product development. Therefore it feels comfortable to have somebody to give you the security you need. Our team of experts help you with adjustments in the design and give tips in how your prototype can be improved for manufacturing.



# We know the drill

We are an independent CDO and CMO that delivers high-quality microfluidic chip products. The possibilities for customizing your microfluidic device are endless. Whether you need a simple chip design or a complex multi-layered structure, we have the expertise and technology to bring your ideas to life.

With years of experience and a team of experts, we understand the intricacies involved in designing, testing, and manufacturing microfluidic devices. From concept to production, we are committed to delivering the highest quality products to meet your specific needs.



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