



1. Our mission

We want to be the front runner and trend setter in micro mixing and shaping instruments for polymer/excipient formulation R&D all over the world. Our goal is to combine customer wishes with our experience and know-how to deliver innovative solutions.

Micro extrusion is the key to cost effective and fast development of new material formulations. Xplore aims to ever increase the quality and possibilities of our mixing and shaping instruments with minimum quantities of material at affordable prices for the customer.

As many R&D challenges are unique, we also develop new innovative instruments for customers to overcome their specific R&D challenges. With our valuable experience in micro compounding and shaping we also offer application and service support to help our customer in any respect to reach its challenging targets sooner.

2. Our vision

Xplore has much respect for the challenges and creativity of researchers and wants to support them with innovative, high quality screening instruments for development of (new) viscous formulations.

Xplore aims to facilitate creative R&D people in testing their new ideas through reliable and fast screening of many samples at minimum costs. In this way Xplore supports the quality and speed of innovation in diverse fields of biomedical, polymer materials, polymer composites, pharmaceuticals, nutrition and energetic materials.

3. History

Until the eighties, compounding of new polymer formulations was performed on "small" laboratory extruders, for which at least a few hundred grams of polymer was needed. For testing the properties of these new polymers, a pilot line was needed to synthesize such large quantities. This made new developments in polymer materials very tedious, time consuming and costly.

Micro compounding refers to the mixing of polymer formulations in the melt on a very small scale, typically several ml. The advantage of the use of a micro compounder for R&D is significant: it gives faster, yet reliable results with much smaller samples and at much less costs, thus speeding up the innovation process in polymer material R&D.

Xplore was and is the front leader in these micro compounding and shaping instruments.

Xplore started in the 90s to develop and build unique processing instruments for the R&D department of a commodity and engineering plastics company (DSM). In the last decade our focus successfully broadened to many more customers, markets and applications. This resulted in innovative new developments in instrument design and a broad portfolio of screening tools for material formulation development.

Since March 2014, Xplore became a fully independent, privately owned company, officially named Xplore Instruments BV. This enables us to be even more dedicated to our core business: helping our R&D customers by developing, (custom) manufacturing and marketing the best micro processing and post die shaping instruments in the world.

Our core competence, designing unique quality instruments, has now an additional dimension: we design together with our customers innovative instruments on demand in a short period of time. This helps our customers to become even more competitive in the field of polymer material developments.

Due to the fact that Xplore Instruments BV rapidly expanded in 2016, we moved to a new building. This building and its environment fit better to the core activities of Xplore Instrument BV; being a high-quality polymer processing instrument company.

In short, we are available for you with our screening instruments to fully support you in all your formulation development challenges.

We are at your service!



The platform for
formulation development

Xplore Instruments B.V
Arendstraat 5
6135 KT, Sittard
The Netherlands

Phone: +31 46 208 97 70
Fax: +31 46 208 97 71
E-mail: info@xplore-together.com
www.xplore-together.com