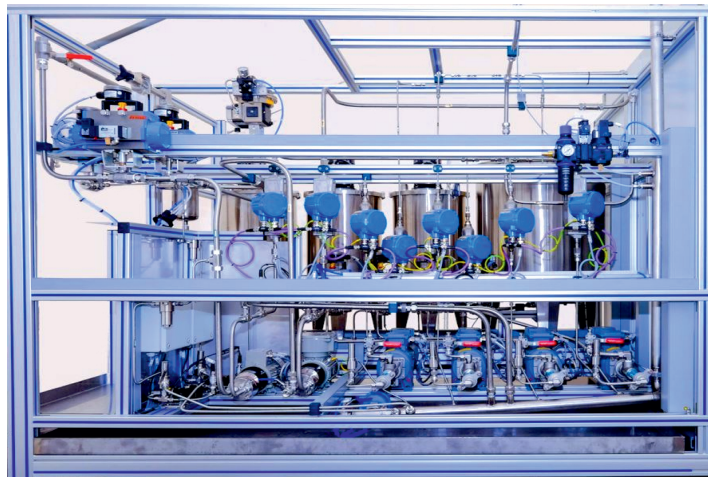


CONTINUOUS MANUFACTURING OF FORMULATIONS IN MINUTES INSTEAD OF HOURS



Microinnova Engineering GmbH has successfully commissioned two continuous formulation production plants for a European client.



"This plant replaces several batch vessels, reduces processing time from hours to minutes, minimizes work hours and waste, enables constant product quality, increases safety and can be upgraded for different products", says project manager Mitja Ogrizek.

Fact Sheet Technical Data

Throughput	9.6 - 14.4 tons per day
Recipes	Up to 250
Viscosities	Up to 500 mPas
Dosing ratio	Dosing of small amounts (up to 1:1000)
Number of substreams	8

The design of the fully automated plant is very compact, which makes it possible to easily transport and install it at a different manufacturing site on the other side of the world. It possesses an integrated Plug & Play concept, which means that 14 tons per day can be produced. All streams are controlled with precise mass flow meters so no labor intensive pre-weight of substances is needed and instant change of recipe is possible. This provides an easy capacity increase for the client and enables the production of new products.



Eight different liquid feeds with versatile viscosities are dosed into three static mixers to deliver the end product mixture, which is then used further in the production process. The plant can produce different polymer concentration mixtures and the produced amount can be regulated based on the daily supply demand of the customer. The continuous mixing system is fully automated and can easily be connected to the local site IT system, such as SAP.

