



## X-Large to X-Small...

Over the last few years we have been further developing our assortment mixers and dryers. As well known supplier in the field of powder process technologies, we are specialists in delivering mixing, drying and agglomeration processes for almost every industry and we take pride in meeting practically any requirement a customer can have!

To give you an idea of our ongoing developments, we give you an inside view on two examples which show the sometimes “large” requirements Hosokawa Micron has to meet.

We have manufactured conical mixers and dryers, in our famous Vrieco-Nauta® design, from 5 liter up till 70 m<sup>3</sup> which was the largest one ever. Until now...

An 80 m<sup>3</sup> Vrieco-Nauta® mixer just left our premises. And the possibilities for an even LARGER mixers or dryers are in development.

To show you the contrast, during the R&D and early stage development work for new products, multiple processes need to be developed and evaluated. However, at this stage the products required for development work or trials are often only available in very small quantities because of the extreme prices of thousands of Euros per gram or because they are simply not existing in larger quantities.



*Vrieco-Nauta® mixers, largest 60.000 ltr*



*Vacuum dryer 22.000 ltr*



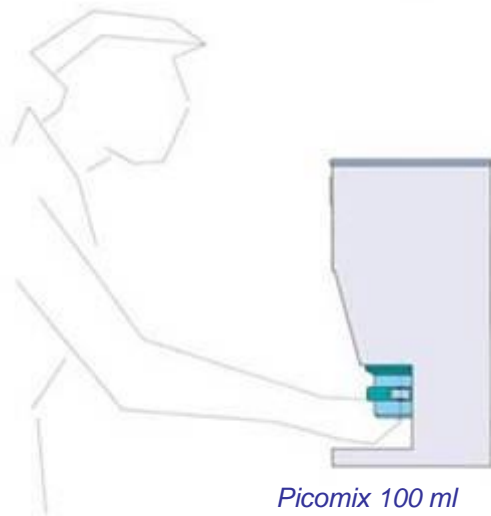
*Vrieco-Nauta® mixer 80.000 ltr*



**HOSOKAWA MICRON B.V.**

## X-Small...

So far HMBV had, for R&D purposes, a 1 liter Cyclomix® with a working volume of 250 ml till 1 liter in her program. Although this unit performs well, it was considered too “large” for some situations. Therefore, based on the Cyclomix® technology, Hosokawa Micron have developed the Picomix. This “small” mixer has a content of only 100 ml and a working volume from 25 ml till 100 ml!



The shape of the mixing cup and agitator are fully comparable with the larger Cyclomixers® and the speed of the rotor can be adjusted to over 10 m/s.

Come and see the Picomix at the Achema in Frankfurt am Main in Germany, from 11 – 15 May 2009.



*Cyclomix® 1 ltr*



*Cyclomix® 5 ltr*

**INTERESTED** in testing one of our mixers in our outstanding test facilities

Please contact our industry teams for further information or an appointment

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