

How to implement New Technology Platform Micro- and Millireactors

Cooperation between UCB and Ehrfeld

UCB is a Belgian biopharma company, bringing solutions to people living with neurological or immunological diseases. They decided to use the Miprowa technology for the experiments concerning the free-radical chemistry in organic synthesis. One example is the thiyI-mediated free-radical racemization. We are proud of being part of this incredible essential research work with our technology and looking forward to extending this fruitful cooperation.



Tripled Production Unit in China

After the successfully designed, manufactured and supplied MIPROWA production reactor for Shaoxing Eastlake High-Tech (China) in 2016 for a production capacity of up to 10,000 t/a, Eastlake now implemented two more reactors of the same size to triple their capacity. These two reactors are now installed in Shaoxing and will be launched within this year. The overall capacity of these reactors will now reach up to **30.000 tons** of product per year, as a visible reference in production scale.



Optical Flow Through Cell with New Features

As a result of the raising customer requests regarding online analytics in flow Tec5 and Ehrfeld started a collaboration. Therefore, we redesigned our optical flow through cell which can be connected to NIR and UV-VIS spectrometer and now additionally to a RAMAN spectrometer. The redesigned optical flow through cell can still be used in our well-known modular micro reaction system (MMRS). Raman spectroscopy is ideally suited as a non-contact method for the analysis of chemical compounds in mixtures. Similar to the uniqueness of a fingerprint, each spectrum is characteristic to the composition of the individual spectra of each involved material. This means the combination of microreaction technology and Raman spectroscopy provides significant advantages for online characterization of product qualities and product release.



If you have any questions, we will be pleased to answer them by phone, email or in a personal meeting. Visit us under www.ehrfeld.com to obtain an initial impression of our technology.

Or meet us in person at the next event:

Analytica 2019
31st of March – 3rd of April in [Munich](#)

ChemSpec Europe
26th – 27th of June in [Basel](#)

In case of further questions, please do not hesitate to contact us:
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Best regards,
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