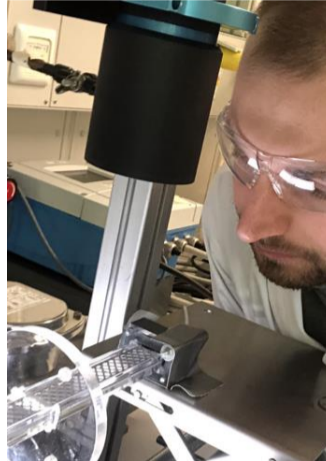


Establishing Micro- and Millireactors worldwide

Publication about liquid-gas study - Miprowa® Technology

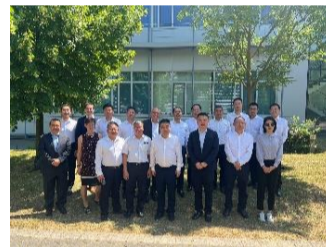
Our former PhD student Jan Niklas Denker has carried out various investigations with liquid-gas systems in our Miprowa Lab. Due to the rectangular channels on a millimeter scale, the Miprowa reactor has a significantly increased surface-to-volume ratio. In addition, the static mixing inserts have a great influence on this effect. With his latest publication Jan Niklas proves that the right choice of mixer design leads to a remarkable improvement in mass transfer and efficiency.

Please read the [publication](#).



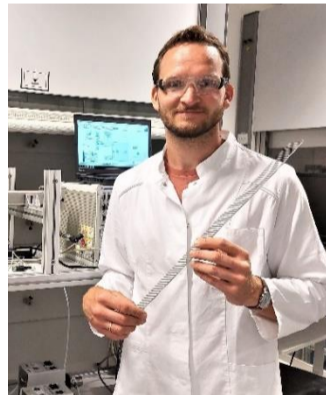
Shaoxing Economic and Trade Negotiation Delegation

More than 14 representatives of Shaoxing Municipality and members of Hangzhou Bay Shangyu Economic and Technological Development Zone visited the Ehrfeld headquarter and have been informed about the newest development of our High-Performance Flow Reactors for R&D, pilot scale and production. We had some truly constructive discussions about economic connections and opportunities to establish the technology platform of Micro- and Millireactors in China. Our shareholder Eastlake High-Tech joined as well and is looking forward to further develop the reactor technology because of the economic benefits this technology is gaining.



New PhD student at Ehrfeld Mikrotechnik

We welcome our new PhD student Thorben Neumann to the company. He studied mechanical engineering at Ruhr University in Bochum and worked as a process engineer at Uhde (Thyssen Krupp). He later moved to Evonik, where he gained experience as a project engineer. With this acquired knowledge, he rose to the position of project manager and was responsible for investment projects of significant volumes. At Ehrfeld Mikrotechnik, he is now investigating the behavior of a liquid-liquid system in our Miprowa Lab and later on in our pilot reactor, the Miprowa Matrix. A silicone oil-water mixture serves as an example system, with Thorben's particular focus on flow behavior and pressure drop. As a flexible and modular R&D tool, our Miprowa Lab is ideally suited for the efficient investigation of different static mixing inserts and their significant effect on the flow regime, mixing behavior and pressure losses.



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:

ILMAC 26th - 28th of September in Basel, Switzerland

ILMAC

CFRT 27th – 28th of September in Portmarnock, Dublin, Irland



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

info@ehrfeld.com

+49 6734 91546-0

Kind regards,

Anne Lakmanarachchi

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