

NEWSLETTER SPECIAL 2016

Pioneering Millireactor in Production



Ehrfeld Mikrotechnik BTS designed, manufactured and supplied a MIPROWA® production reactor for Shaoxing Eastlake Biochemical (China) with a production capacity of up to 10,000 t/a. The company serves the agrochemical global market segment with the production of active ingredients. The production plant in Shaoxing was launched successfully in mid-September 2016. The MIPROWA® technology is using millistructures on a production scale. Same channel geometries



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in lab as later in production enabled a rapid scale up. The reactor is 7 m long and features **150 parallel reaction channels** with a rectangular cross section. Each channel contains exchangeable static mixers and together they are capable of a **throughput of about 1m³/h**. The large surface-to-volume ratio particularly qualifies Miprowa® reactors for challenging temperature control jobs, in this case a **highly exothermic alkoxylation** reaction.

More information about the production millireactor you find in the press release:

www.chemanager-online.com/en/topics/thermal-processes/millireactor-production

www.chemanager-online.com/themen/thermische-verfahrenstechnik/millireaktor-im-produktionsbetrieb

What about your challenging reactions?

**Best regards,
Ehrfeld Mikrotechnik BTS GmbH**

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