

Monthly News 04/11

Company

Things have changed

At 01.03.2011 our new location ViscoTec Asia was founded in Singapore ([>>>> To the blog](#)). Wolfgang Merklein, who was previously responsible for almost all international sales activities, becomes now CEO of ViscoTec Asia and so concentrate his responsibility on the ASEAN states.

But who takes care now about the other countries, Wolfgang did before? Here is the point where we want to introduce ourselves official. Since 01.10.2010, we (Stefan Kerl and Fabian Schirmer) are working for ViscoTec in the business unit Adhesives&Chemicals.

After some training months we slowly took over the responsibility for our countries and want surely deepen and improve our existing business relationships with our agents and also expand and enhance the global business of ViscoTec.

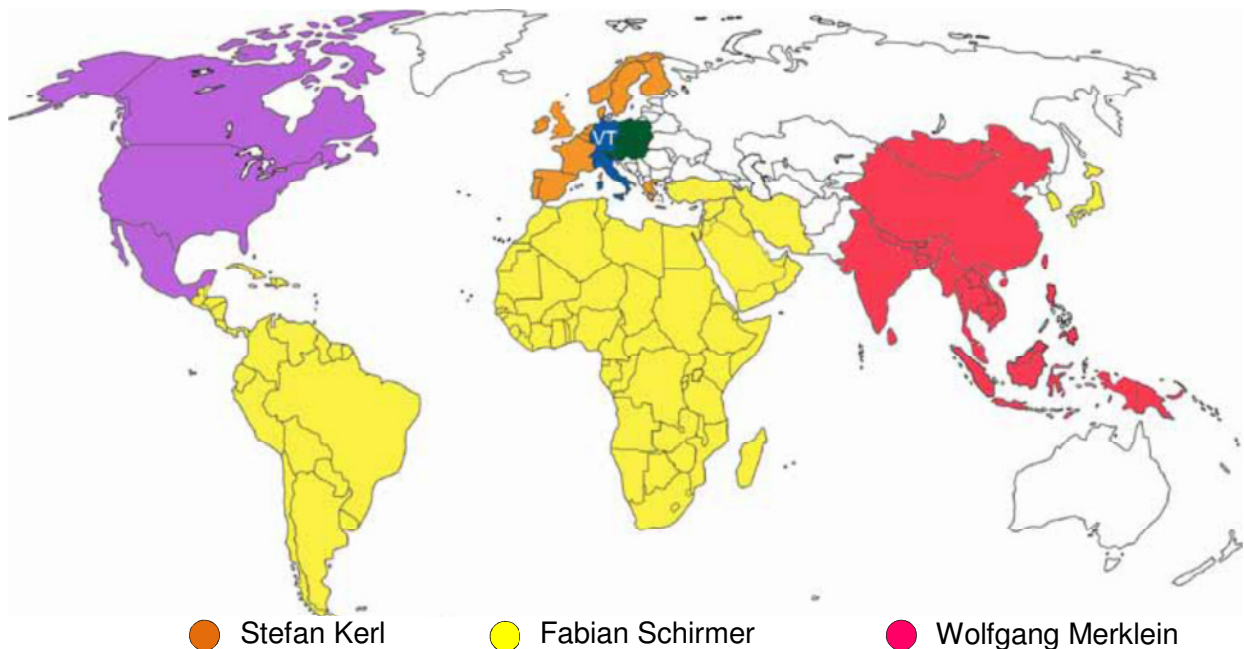


Fabian Schirmer



Stefan Kerl

For a small overview please see the following figure:



A complete description of the ViscoTec responsibilities, please see enclosed file ("*Territorial allocation.pdf*")



New Flyer, Datasheets

Because of our new Corporate Identity, we are actualizing our promotional material and datasheets at the moment. When they are done, we will send you a complete CD with all new Material at once. If there will be further changes in future, we will update these attached on this monthly Newsletter.

New Articles

We continuously publish new specific articles about applications or innovations in the internet or in the print media. We will enclose these articles always with our Monthly News and would ask you to try to publish these articles in, in your country famous, print media or Web Portals.

E.g. we receive a lot of feedback and inquiries for our inline degassing units ViscoTreat-Im and ViscoTreat-Im cause of these articles on German web portals.

ViscoTec at SNEC 2011

From 22nd to 24th of February, ViscoTec exhibit on the biggest Solar Fair in the world: The SNEC 2011 in Shanghai. For further information please visit our blog.

Products

The new little sister: ViscoTreat-Im



<u>High:</u>	1953mm	>>	920mm
<u>Width:</u>	590mm	>	~400mm
<u>Depth:</u>	1000mm	>>	580mm
<u>Volume:</u>	15/25L	>>>	2.5L



ViscoTreat-Inline

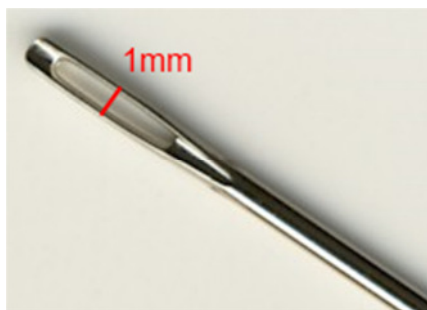
ViscoTreat-Im



The new ViscoTreat-Im is our newest standard product. It's a small inline degassing unit consistent of a 2.5 L container, control unit and a 3 RD 12 pump for material supply. So its structure is the same like the well-known ViscoTreat-I Inline degassing unit just for smaller quantities: Constant inline degassing for materials up to 100,000 mPas with a separate control unit. So especially for small dosage processes with expensive material, this product is very suitable. For more details the product datasheet is attached.

Application Reports

Handling minimal quantities

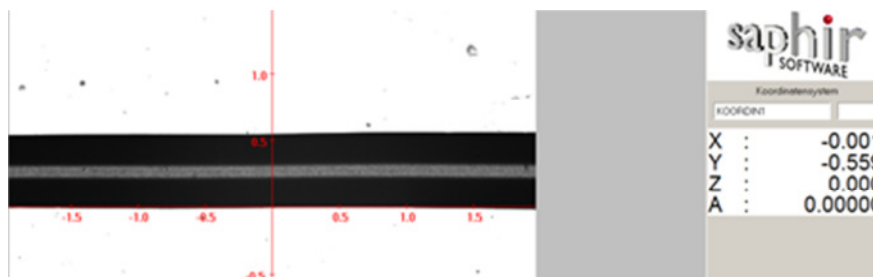


Regarding to the technological progress the demand for ever smaller quantities rises. To be prepared for future applications we did a lot of tests for very small amounts of dosing beads. The set up was a 4RD6 Dispenser and the SEMICOSIL 988 material. This material has a viscosity of approximate 300.000 mPas with very high shear sensitivity.

By using an X-Y-Z table we tried to decrease the material amount step by step and received good results with down to 0,06ml/min. Here the applied beads had dimensions of approximate 0.13mm high and 0.559mm width.

On this picture you can see the measured bead width of **0.559mm**.

But these small quantities also need a lot of precision in the hole set up. E.g. the distance between the surface and the nozzle is tremendously important and has to be stable in the whole



applying process. If the distance is too big, the material will crawl up on the nozzle outside instead of being applied on the surface. On the other side, if the distance is too low, the nozzle will touch the surface and create an inaccurate bead.

So our dispensing technology is suitable for future demands. The question is just, whether the technology around our system is able to do it too!