



ViscoTec – Newsletter 05 / 2010
News at solar applications

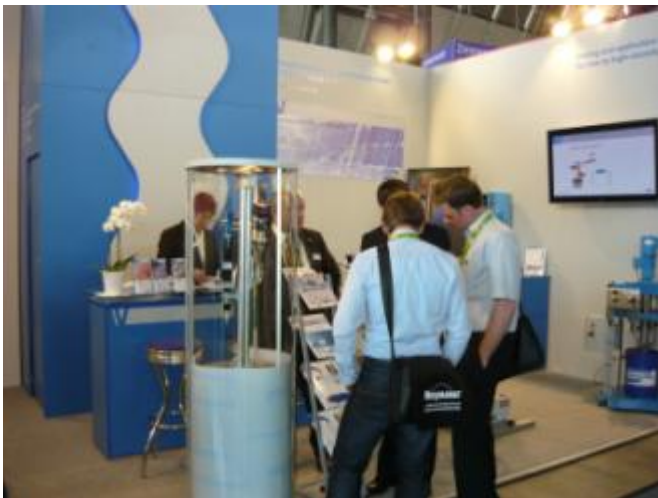


ViscoTec-Newsletter 05/2010

ViscoTec systems are used for many applications in the solar industry. At the end of April ViscoTec attended the PHOTON exhibition in Stuttgart / Germany. ViscoTec presented on the exhibition new products which are especially suitable for applications in the solar industry. It was a very successful exhibition with many international visitors. The main projects ViscoTec has realized in the past were paste – dosing, glue-dispensing for ingots / wafer and the sealing of solar modules and junction boxes. Please find below new information for these applications.

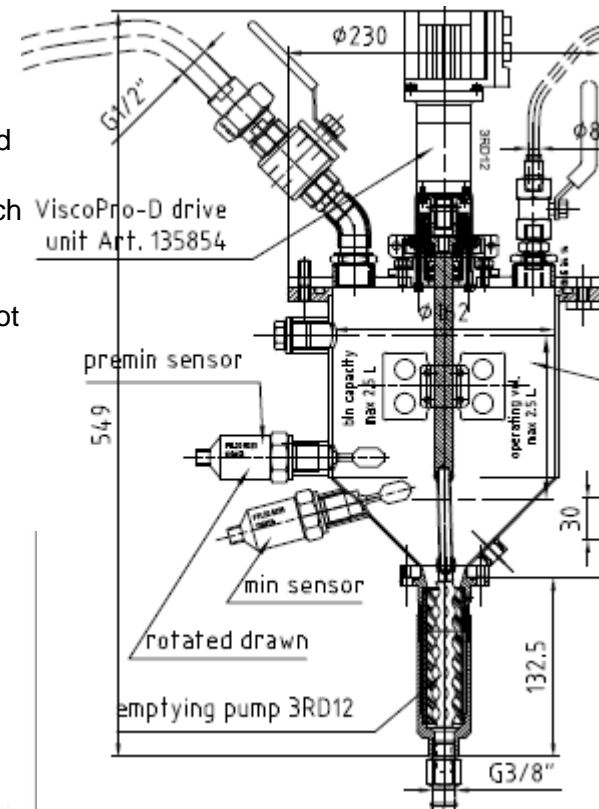
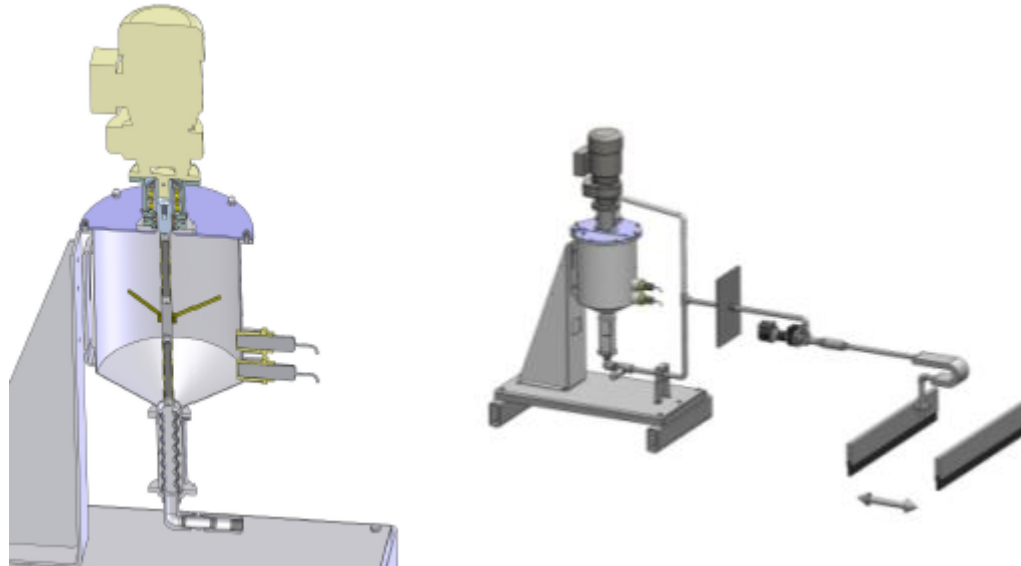
In general the automation of solar production processes is getting more and more important. For example the German government has cut the subventions for solar electrical power, so that the solar cells and modules has to get cheaper. This is a great chance for ViscoTec with its automated solution for solar applications.

Impressions from the PHOTON exhibition:



Paste dispensing (Silver-, Silver/Aluminum-/ and Aluminum paste):

The advantage of the ViscoTec system for Al-paste is, that the paste will be stirred and kept in circulation so that the customer gets always the same quality of paste without separation. In the past ViscoTec only offered bigger tank system with which the customers often had problems to place them at the line. Our new product is a small tank unit (like ViscoTreat-R) especially for Al-paste dosing. This small tank and circulation unit fits perfectly for integrating at existing machines and saves a lot of space for the customer. So the advantage for the customer is a perfectly dosed Aluminum-paste with an integrated system in his screen-printer.



Ingot gluing / Wafer slicing:

ViscoTec realized a lot of projects in the process of ingot-gluing / wafer cutting. So for example with the German machine building company Gluth a complete system for this process was designed. ViscoTec-two-component-system , degassing- /and barrel-emptying-systems are integrated in this unit.

In order to improve the process, ViscoTec did a complete re-design of the degassing system ViscoTreat-Inline. So for example the agitating axis is now separated from the motor / rotor-axis. Also it is easier to open and clean the system.



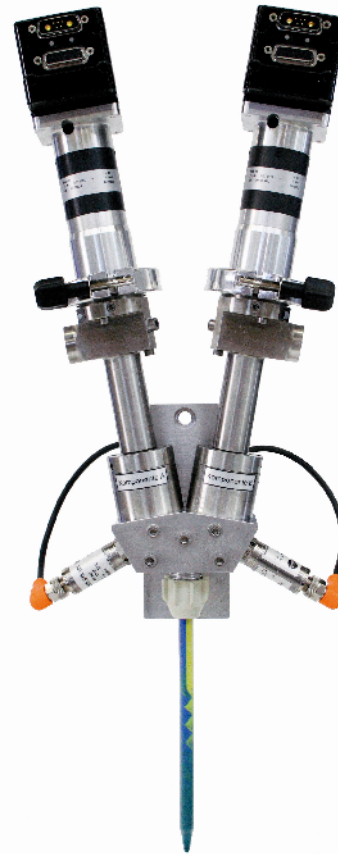
Photos: Gluth Systemtechnik / Straubing

Module sealing / Junction boxes:

What we recognized at the PHOTON exhibition is that the application of modules sealing and junction boxes is getting more and more important. The main material which is used for this issue is 2-component-silicone. So ViscoTec offer with the ViscoDuo-V-series perfect solutions for the customer. The big ViscoDuo-V system and brand-new the small 2-component-dosing-unit ViscoDuo-V 4/4.



Small 2-component system ViscoDuo-V 4/4



Standard 2-component system ViscoDuo-V