Optimized product bonding with Cembrane

preeflow partner Scanmaster automates dispensing processes

Cembrane in Lynge, Denmark produces and exports ceramic filters to more than 20 countries under the motto “Clean Water for Life”. In the production of the filter manufacturer the individual components had to be glued together by hand. This took up a lot of working time.

In 2018 Cembrane invested in a robot. The aim of the investment was to integrate the Universal Robots Cobot into the manufacturing process. The application of the adhesive is an important step in the production process. In order to support this step with the robot, Cembrane needed help. And so, the preeflow partner Scanmaster came into play.

Scanmaster, a specialist in automated dispensing processes, was able to develop a unique dispensing solution for Cembrane: A robotic cell in which several ceramic plates are bonded in a semi-automatic bonding process. The robot was programmed to dispense 2-component adhesive with high precision onto flanges using a preeflow eco-DUO dispenser.

The new production process minimizes production time. More filters can be produced in less time. In addition, the quality of the manufactured products has also improved. The dispenser enables a more precise and uniform application of adhesive to the component than was previously possible by hand.

Cembrane is very satisfied with the new product quality. And the investment in the automated dosing solution is more than justified. "We are incredibly pleased with our robot solution, which has automated our production. It is a dispensing solution that fully meets our quality requirements, so we are happy," says Lasse Andreassen, CEO of Cembrane.

Scanmaster distributes ViscoTec and preeflow dispensing pumps and microdispensers. And so, the specialists have designed and delivered a comprehensive solution with preeflow components. Integrated into a unique cell with a robot for a semi-automatic process. The result for Cembrane is a higher quality product for the customer and an optimized production time. This allows the demand on the market to be met better and faster. Further information: www.scanmaster.dk

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Pictures:



2-component adhesive is dispensed with high precision onto flanges - with the preeflow eco-DUO Dispenser.



preeflow dispensing and control equipment.



*Scanmaster has designed and delivered a comprehensive solution with preeflow dispensing technology.*

Microdispensing in perfection!

preeflow® is a brand name powered by ViscoTec Pumpen- u. Dosiertechnik GmbH. ViscoTec primarily deals in systems required for conveying, dosing, applying, filling and emptying medium to high-viscosity fluids. The headquarters of the technological market leader is in Töging (upper Bavaria, near Munich). In addition, ViscoTec has subsidiaries in the USA, in China, Singapore and in India and employs about 200 people worldwide. Established in 2008, preeflow® ensures precise, purely volumetric dispensing of liquids in the smallest of quantities. preeflow® products are appreciated worldwide, not to mention because of their unique quality - Made in Germany. An international distribution network offers professional service and support in all areas of preeflow® dosing systems. The various fields of application include, among others, automotive, electrical and electronics industry, medical technology, aerospace, renewable energies, electrical and hybrid technology and measurement and sensor technology. The complete preeflow® portfolio can be easily integrated due to standardized interfaces. Worldwide more than 20,000 preeflow® systems are working in semi- or fully-automated dosing applications - to the user’s and customer's complete satisfaction.

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