

Scanmaster has boosted the quality of product gluing at Cembrane

Cembrane in Lynge, Denmark produce and export ceramic filters to more than 20 countries under the motto *Clean Water for Life*. In the production the product parts used to be glued by hand, which has taken a large part of the employees' time.

Scanmaster came into play in 2018 after Cembrane had bought a robot, but had not yet found a true method to integrate it as a help in their gluing process. The intention was to include the UR robot in the manufacturing process, but since a quality dosing solution was also needed, it was not yet possible to benefit from the purchase without the right dosing unit etc. The total solution was yet to be found.

Scanmaster, with their metering knowledge, made use of the robot and was able to create a unique dosing solution for Cembrane. The solution includes a collaborative robot cell gluing several ceramic plates in a semi-automatic gluing process. The robot was programmed to glue flanges with a very precise dosage by the use of a *Viscotec Preeflow ECO-Duo dispenser solution*, in this case.

The new production process optimizes work hours - more filters in less time - but also optimizes on the product quality gained. The dosing of glue is a more precise uniform glue string onto the product than it would be possible to make by hand. Cembrane is very satisfied with the product quality which fully justifies the investment in the robot dosing solution. "We are incredibly pleased with our robot solution, which has automated our production. It is a dosing solution that fully meets our quality requirements, so we are happy" says Lasse Andreassen, CEO at Cembrane.

Scanmaster is distributor of Viscotec products, and has thus designed and delivered this comprehensive solution with Preeflow dosing equipment in a completely unique cell integrated with the existing robot for a semi-automatic process. The result for Cembrane is a better product for the customer and a speed increase so they can better meet their market demand.

Viscotec Preeflow ECO-Duo dispenser is sold by Scanmaster at www.Scanmaster.dk



Figure 1 Viscotec Preeflow dispensing and control equipment

Figure 2 Robot cell delivered by Scanmaster in 2018 includes security.

