Sonderhoff to demonstrate sealing, gluing and potting solutions at AutoShanghai 2017

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At the 17th Shanghai International Automobile Industry Exhibition (AutoShanghai), Sonderhoff will highlight its Low-Emission and Fast-Cure polyurethane (PU) foam seal systems Fermapor K31 and the newly developed polyurethane-based 2-Component adhesives Fermaglue.

A three-component DM 403 mixing and dosing machine will be displayed for live demonstration.

Sonderhoff is a process specialist for the automated material application on parts of small to large series productions using the formed in-place (FIP) sealing technology. Its foam sealing, adhesive and potting systems are used in the car industry.

Three-component mixing and dosing machine DM 403 for automated FIP material application, will be exhibited at Auto Shanghai for live demonstrations.

Photo: 1 2 3

For instance, Fermapor K31 Low-Emission foam gaskets seal air intake passages, ensuring a leak-free fit of the filter used in air conditioning systems in cars, so that no unfiltered air passes the filter into the car interior. The antimicrobial properties prevent that microorganisms settle on the filter seals used on the air duct. Thus the hygiene requirements of VDI 6022 are met for air filters.

Meanwhile, very reactive Fermapor K31 Fast-Cure foam seals with very short tack-free time adapt to the highly synchronized car production. Fermaglue two-component adhesives in different degrees of hardness are used for bonding various auto parts. And Fermasil silicone foam gaskets are suitable for enclosure sealing in the engine compartment due to their temperature resistance.

Last year, its Chinese subsidiary Sonderhoff (Suzhou) Sealing Systems moved to a larger location in Suzhou, with more than 6,000sqm of space for growth. PU material component are produced locally to shorten delivery times to the Chinese market.

New machines from Sonderhoff Engineering are placed for extended contract manufacturing at the new location. Three dispensing machines with linear robots are used for PU and silicone foam sealing, potting and gluing applications as well as one six axis robot for the part handling.

In case of material dispensing on 3D parts, the mixing head can be mounted on the robot arm, which then accurately moves above the part contour. Alternatively, the part is held with the robot arm under the mixing head of the dispensing machine.

AutoShanghai 2017 will take place from April 19-28.