

Plastics technology / Mixing and dosing technology / handling technology/ adhesive technology / joining technology

Dynamic mixing with all common dispensers

Tartler's new cartridge mixer attachment convinces with numerous connection adapters

About two years ago, the dosing and mixing technology specialist Tartler presented the first mixer attachment for the dynamic processing of two-component plastics with cartridge pistols (dispensers). Since then, the company has continued to develop this innovative solution further and now presents the second generation of its cartridge mixer under the product designation LC-DCM. It is now equipped with a universal connection for numerous common cartridge systems. Small-quantity users who process cast resins and adhesives for repairs, reworks or the optimisation of surfaces with pneumatic cartridge pistols particularly stand to benefit from this.

Michelstadt, May 2018. – With its innovative cartridge mixer attachment, Tartler is transferring the quality advantages of the dynamic 2K synthetic resin mixing technology from the automated series production to the manual small-quantity application. In the new LC-DCM version presented a few days ago, the Tartler's mixer attachment now offers an even wider field of application, since it is equipped with a universal connection point for the plastic adapter of many different common cartridge systems. The die cast manufacturing of Tartler can furthermore provide additional plastic adapters for additional cartridges for the new attachment at any time. This means there are no limitations anymore when it comes to selecting cartridges, dispensers or materials. Among other things this means: All small-quantity users who use the widespread double cartridge dispenser from Sulzer (Mixpac), Nordson (Side x Side) or other manufacturers for the manual processing of cast resin or adhesives will now have the option of dynamically mixing and significantly increasing both the quality of the mixing results and the potential discharge capacity. Since manual small-quantity mixing with cartridge pistols is primarily employed for reworks, repairs or within the scope of surface optimisation, it is particularly these areas of application that stand to benefit from the new mixer attachment coming out of Michelstadt.

Dynamically achieve better mixes

Up to now, many small-quantity processors have had to accept irritating quality drawbacks when mixing resins and hardeners with multiple-component or double cartridge pistols because the used or recommended static mixers did not ensure one hundred percent mixing, or because the discharge capacities when using longer mixers were reduced significantly. The innovative cartridge

mixer attachment LC-DCM from Tartler makes these issues a thing of the past. It achieves this primarily thanks to three components: A flange to take up the plastic adapter, which is mounted liquid-tight to the cartridge, a basic body with the connection for the dynamic plastic mixer, and an air motor for driving the dynamic mixer. Overall, the new attachment from Tartler is a very slim construction and forms a functional unit with the dispenser, which can be precisely guided and easily handled with the attachment.

Up to 80 percent more discharge

In addition to its universal adapter connection, the new cartridge mixer LC-DCM from Tartler offers yet another key advantage: Irrespective of the processed materials, with the same configuration and the same pressure it offers a volume discharge of up to 80 percent more than when using a static mixer recommended by the cartridge or material manufacturer – or by the filler. Additionally, it can even be used for extreme mixing ratios and high viscosity differences between materials – another advantage that shouldn't be overlooked. Basically, this means that the new dispenser attachment LC-DCM from Tartler can be deployed in all areas of plastic and adhesive processing where the user needs to apply small material quantities in regulated volume flows, and that the same materials can be used for reworks and maintenance works as for series production with an optimal mix quality.

515 words with 4,287 characters (with spaces)

Note for editorial staff: Text and images available at www.pr-box.de!

Captions (2 pictures)

Figure 1: The new cartridge mixer attachment LC-DCM from Tartler is equipped with a universal connection for numerous common cartridge systems. Small-quantity users who process cast resins and adhesives with pneumatic dispensers particularly stand to benefit from this.

Figure 2: Cartridge with adaptor: In the new LC-DCM version, the Tartler's mixer attachment is equipped with a universal connection point for the plastic adapter of many different currently common cartridge systems.

(All images: Tartler GmbH)

((Infobox))

Innovative mixing technology for all synthetic resin processors

The German plant manufacturer Tartler ranks among the leading manufacturers of multiple-component systems for dosing and mixing epoxy resins, polyurethanes and silicone resins. Among others, the company equips wind power plant manufacturers, along with renowned manufacturers in aircraft construction, shipbuilding, electrical engineering, as well as tool and mould making with its comprehensive solutions.

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