

UNIFIED LINE FOR MINIMAL-QUANTITY USERS

TARTLER offers four system solutions for the small-quantity dosing of synthetic resins

Plastics technology / mixing technology / dosing technology

All users who work with small quantities of liquid two-component synthetic resins need to take a look at plant manufacturer TARTLER's current portfolio. And that is because with the LC-DCM dispenser attachment and the product differentiation of the MDM series you will find four innovative solutions for the efficient dosing and mixing of epoxy resins, polyurethanes and silicone resins. Typical areas of application are prototyping, electro casting, adhesive application, as well as product development and RIM applications.

Michelstadt, February 2019. –Last year in Autumn, plant manufacturer TARTLER brought its range of system solutions for the processing of small quantities of low-viscosity 2K plastics up to the latest standards with the re-engineering of its dosing and mixing system MDM 4. The new model

in the table machine series MDM serves as an entry into mechanical synthetic resin processing. TARTLER thus now offers a total of four systems that are predestined for use in development departments, testing laboratories and in maintenance, repair and servicing workshops.

Manual but dynamic

The dispenser attachment LC-DCM is equipped with a universal connection point for a number of manual cartridge systems commonly available on the market. For all those minimal-quantity users who want to move away from hand mixing or who process cast resins or adhesives primarily for repairs, reworks or optimising surfaces with pneumatic dispensers, this represents a real innovation. And that is because it enables – and this is by no means a given – the dynamic mixing of resin and hardener. In practical terms, this means the LC-DCM TARTLER offers small-quantity users the quality advantages of the dynamic 2K dosing / mixing technology known from industrial series production.

This means that anyone who uses the multi-component or double-cartridge pistols from Sulzer, Nordson, Ritter or other manufacturers and docks on the LC-DCM to mix resin and hardener can now look forward to homogenous mixing and impressive output. Depending on the material combination, the LC-DCM achieves



Compact solution for small quantities: TARTLER'S new MDM 4 offers a versatile table device that enables low-viscosity media to be precisely and efficiently dosed and mixed.

a volume discharge up to 80 percent higher than when using one of the static mixers offered by the cartridge or material manufacturer at the same configuration and pressure. TARTLER's dispenser attachment was developed specially for extreme mixing ratios and high-viscosity differences in the materials. As a result, it yields significant benefits for all synthetic resin and adhesive processors who need to apply small quantities in even volume flows and need to use the same materials in reworks as in series production while achieving optimal mixing quality.

Compact entry-level machines

Just a few weeks ago, TARTLER released its new, overhauled MDM 4 for all small-quantity processors who want to move from manual to mechanical dosing and mixing of liquid polyurethanes and epoxy resin. This successful model from the pioneering era of the company's history received a thorough re-engineering and in the MDM line now embodies the entry-level solution for mechanical synthetic resin processing. The table device was designed in such a manner that the combination of the pumps allows output levels from 0.05 to 1.5 l/min to be



Dynamic mixing with rotating disposable plastic mixer.

configured – depending on the viscosity and mixing ratio of the components. The output is controlled by a potentiometer and dosing ratios from 100:10 to 10:100 are possible. The mixing head is a slim LC



Manual but dynamic: TARTLER'S LC-DCM cartridge mixer attachment has a universal connection point for many common dispensers. This particularly represents a great new development for minimal-quantity users who want to move away from hand mixing.

0/2 from TARTLER's portfolio with a rotating disposable mixer that is driven by a flexible shaft. The drive technology centrepiece of the MDM 4 is a frequency-controlled electro motor. When selecting the containers for the A and B components, the user can choose between containers of 0.5 to 100 l. A 220 V connection is all that is required to put it into operation.

Two bigger sisters: MDM 5 and MDM 6

The next biggest sister model is the MDM 5, which can be designed with an output level of 0.05 to 1.5 l/min. It offers more features and a Siemens Logo control system with useful features such as shot time pre-selection and a pot time alarm. Small-quantity users can use this table machine for casting, spraying and foaming. In addition to a 220 V connection, a compressed air supply (6-8 bar) is also required to put it into operation. The machine can be equipped with various container sizes, electrical stirrers, as well as heating units for containers, hoses and the mixing head. The selection from various mixing heads in TARTLER's product range provides a great deal of freedom in terms of the needs-oriented optimisation of the machine.

Finally, the top-of-the-range model in TARTLER's compact machine range – the MDM 6 – offers even more functions. It is designed for maximum outputs of 3.5 l/min, can be equipped with containers with a volume from 3.0 l to 100 l, and can equally be used for casting, spraying and foaming. It also



Flexible 2K system for dispensing and mixing liquid synthetic resins: the MDM 5 offers extensive features and a Siemens control system with shot time pre-selection and a pot life alarm.



The compact series flagship: With the MDM 6, TARTLER bridges the gap to the large multi-component systems of its NODOPUR series.

offers additional functions – for example, a small and large recirculation of the components.

From manual work to a mechanical solution

With the LC-DCM cartridge mixer and its MDM product range, TARTLER offers system solutions that cover almost all tasks that arise when dosing and mixing small quantities of liquid polyurethane and epoxy resins. The plant manufacturer thus bridges

the gap for many users to the next higher dimension of synthetic resin processing: While the LC-DCM is the perfect replacement for hand mixing, the MDM 4 represents the entry to mechanical 2K dosing and mixing technology. Building upon this foundation, the MDM 5 and the MDM 6 in particular bridge the gap to the large multi-component systems of TARTLER's NODOPUR series, which can also be equipped with volume flow control and other options.



Say goodbye to hand mixing (left): With its LC-DCM dispenser attachment (2nd from left) and its MDM range (right), TARTLER offers four innovative system solutions for the manual and mechanical dosing and mixing of small quantities of epoxy resins, polyurethane and silicone resins.

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Innovative dosing systems and mixing technology for all synthetic resin processors

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



More information about the MDM 4 you can find on our landing page:
<https://mdm4.tartler.com/en>



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