



Press Release

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Reliable processing of thermally conductive materials vectomix TC metering and mixing system offers solutions for applications in electromobility and battery production

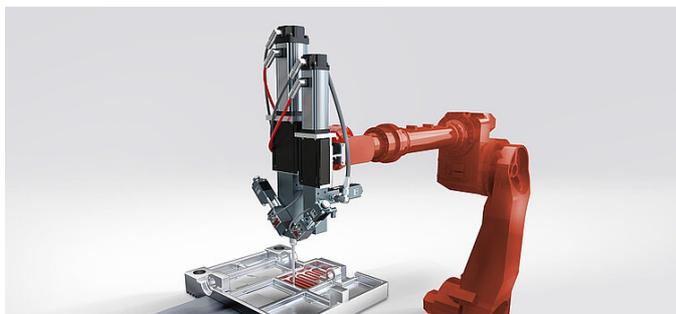
Electromobility is currently one of the strongest growth industries. Electric cars, scooters and bikes are being manufactured in increasing numbers. Demand is also increasing in terms of mobile energy. There are more and more devices featuring rechargeable batteries, such as power tools, household appliances and medical products. Thermally conductive materials are processed during production. These materials typically contain a large amount of filler to enable them to fulfil their role, i.e. to conduct heat. DOPAG developed and created the vectomix TC metering and mixing system specially for processing these types of filled, abrasive materials. The dispensing system is equipped with components made of wear-resistant materials. They are specially designed for the abrasive behavior of thermally conductive materials. Thus, they are protected from excessive wear and ensure consistently reliable processing with significantly reduced maintenance costs.

Modular structure enables high flexibility

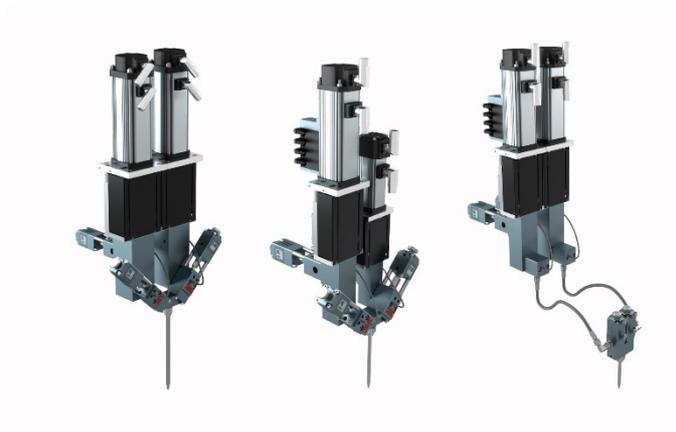
The vectomix TC metering and mixing system consists of two piston metering units which are available in different sizes and can be configured individually according to the application. For example, two piston metering units can be combined with different sizes. A hose package and a double valve for low handling weight in the case of robot applications can also be added to the vectomix TC system. An individual piston metering unit can also be used for processing single-component materials. The modular structure enables a diverse range of applications as well as variable mixing ratios, shot sizes and discharge rates.

Both metering units have their own independent servo driver, which can be controlled separately. This enables high-precision control of the mixing ratio. The material can be discharged in shot or bead form. Multiple shots with one piston volume enable short cycle times. The vectomix TC metering and mixing system is also easy to use and maintain.

Thermally conductive materials are metered precisely, reliably and reproducibly especially in complex production processes with vectomix TC. For every application, DOPAG works with the customers to develop a solution that meets their specific needs.



vectomix TC: metering and mixing system for the processing of thermally conductive materials



Modular structure of the vectomix TC metering and mixing system with two piston metering units

About DOPAG

We are one of the world's most experienced manufacturers of high-quality metering technology. Wherever adhesives, resins, silicones, sealing foams or lubricants are metered and applied in industrial production, we offer reliable, precise solutions. We provide systems and components for highly automated production processes, including for the automotive, wind, household appliances and electrical industries, as well as for aviation and space travel.

DOPAG is part of the HILGER & KERN GROUP, a reliable supplier, development and service partner to industrial companies in a variety of market segments for over 90 years. The group employs around 350 people and has subsidiaries and distributors in more than 40 countries.