

Get Started With Automated Dispensing – Brand-New Multipurpose Cell RAMPF MC- EASY

Compact system for sealing, casting, and bonding with maximum flexibility and process reliability / Already profitable for small quantities

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Zimmern ob Rottweil, Germany, July 29, 2024. Automated and cost-effective sealing, casting, and bonding – this is guaranteed by the brand-new MC-EASY multipurpose cell from RAMPF Production Systems.



Key facts

1. The brand-new MC-EASY multifunctional cell from RAMPF Production Systems offers users a cost-effective, high-performance, and high-quality entry into the automated mixing and dispensing of reactive resin systems.
2. The system works profitably even with small quantities due to its compact size, simple operation and programming, and short set-up times.
3. MC-EASY covers a wide range of applications – sealing systems, gap fillers, adhesives, and other one-, two- and multi-component materials are mixed and dispensed quickly and reliably.

Albert Schmid, CEO at RAMPF Production Systems – “The name says it all: Our brand-new MC-EASY makes it easy to get started with automated dispensing. The cell concept is particularly suitable for applications that require small quantities in combination with high component variability and reproducibility.”

Plug & Play



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Thanks to the plug & play approach, the machine is particularly flexible and can be easily set up, moved, or integrated into existing production lines. The compact design not only saves space, but also allows easy accessibility, which guarantees optimized set-up times.

Process-reliable dispensing technology

At the heart of the MC-EASY is the proven RAMPF dispensing technology for the application of one-, two-, and multi-component materials, which are processed via a static mixer.

6-axis robot

The multifunctional cell is equipped with a modern, easy-to-operate 6-axis robot with a maximum load capacity of 3 kg and a reach of approx. 600 mm.

Easy component handling

Components are handled easily via a light curtain secured opening – fast, safe, and CE-compliant. The manually fillable material containers for components are integrated into the cell, as is the control cabinet for the robot; this ensures a small footprint. Optionally, material can be supplied from cartridges, hobbocks, and 200-liter containers.

Easy programming

During development, great importance was attached to the simple programming of the robot, coupled with a powerful Beckhoff controller. Thanks to the 3D real-time display of the robot movement, the system is very easy to operate, even without prior knowledge.

“Operational simplicity and efficiency were very important to us, which is why Fruitcore from Constance, a leading developer and supplier of AI-supported industrial robots, is the ideal partner for us”, explains Michael Iliesiu, the project manager responsible for developing the MC-EASY.

[The MC-EASY in action!](#)

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www.rampf-group.com



Based in Zimmern ob Rottweil, Germany, **RAMPF Production Systems GmbH & Co. KG** is one of the world's leading suppliers of innovative systems for processing single-, dual-, and multi-component reactive plastic systems.

In addition to its core competence of mixing and dispensing technology, the company provides project-specific automation concepts with integrated parts transport and heat treatment, assembly and joining technology, and logistics and quality assurance solutions.

The customer-specific solutions include integrating both surface activation processes and testing and measuring technology to safeguard production processes.

Prototypes and small series for customers are produced in the application engineering center.

This wide-ranging expertise enables RAMPF Production Systems to provide its customers with complete solutions for their production facilities.

RAMPF Production Systems is a company of the international RAMPF Group based in Grafenberg, Germany.

Diversity is a matter of course for RAMPF. In the spirit of treating all genders equally, and to improve readability, we therefore make an effort to use gender-neutral language. Any use of shorter forms of language is purely for editorial reasons.

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Press release

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