

Innovative mixing and dispensing technology for bonding, casting, and sealing systems

Bondexpo 2016 – RAMPF presents DC-CNC800 compact dispensing cell and DC-CNC250 desktop dispensing cell

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Zimmern o. R., September 05, 2016. At Bondexpo 2016, the international trade fair for bonding technology taking place in Stuttgart from October 10 to 13, RAMPF Production Systems will be showcasing innovative mixing and dispensing technology solutions for two- and three-dimensional application of bonding, casting, and sealing systems – Stand 9203 in Hall 9. The focus will be on the DC-CNC800 compact dispensing cell and DC-CNC250 desktop dispensing cell.

DC-CNC800 – the perfect combination of flexibility and dynamics



The DC-CNC800 mixing and dispensing system is the ideal solution for anyone looking for a compact machine structure without wishing to compromise on control technology. The system features an integrated material preparation unit and can be fitted with piston or gear pumps as required.

A CNC Siemens Sinumerik control system and Beckhoff control technology are available for modular control. A further advantage is the integrated process control for continuous monitoring of pressure, fill level, and speed.

The DC-CNC800 can optionally be equipped with a high-pressure rinse agent recycling system, high-pressure water rinsing, and various items of automation equipment for the application in question. Additional features include standardized operating concepts for shuttle table, rotary index plate, and conveyor feed. The DC-CNC800 is also fitted with large tanks, enabling small containers to be fully filled in a single step.

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The large tanks improve material processing, thus ensuring more material-friendly homogenization and faster degassing. In addition, the DC-CNC800 can be fitted with the MS-C mixing system for dispensing rates of 0.1 g/sec and above; it is also possible to integrate vacuum barrel presses for gap filler. Accessibility has been optimized for maintenance work on the piston and gear pumps as well as controls.

DC-CNC250 – high-precision dispensing of paste-like and abrasive materials



With its DC-CNC250 desktop dispensing cell, RAMPF Production Systems is presenting a cost-effective solution for high-precision dispensing of paste-like and abrasive materials. The desktop device has an integrated dispensing system and can be freely programmed for dispensing individual spots or lengths. The individual components are dispensed using a piston system designed with an extremely long service life. This results in the highest levels of accuracy and long maintenance intervals.

The system can process any standard paste or adhesive that supports static mixing. It has a wide range of additional fit-out options, including a variety of material cartridge sizes and a table frame.

The advantages of the DC-CNC250 at a glance:

- > Compact design, but still flexible
 - > Desktop device with integrated controls and material supply
 - > Material supply from various cartridges separate from dispensing cell
 - > Good accessibility for maintenance work

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- > High-precision dispensing of small volumes
 - > Processing of 1- and 2-component materials
 - > Processing of viscosities of approx. 100,000 – 700,000 mPa*s
 - > Static mixing system
 - > Fully adjustable mixing ratio from 100:100 – 100:1
 - > Dispensing volumes ≥ 5 mg / dispensing spot
 - > Processing of highly abrasive materials

- > Intelligent controls
 - > High-resolution 15" touch display with embedded PC
 - > RAMPF process visualization
 - > User-friendly protection of insertion area with lifting door

Automation and conveying systems



In addition to its core competence of mixing and dispensing technology, RAMPF Production Systems offers its customers an extended range of automation and conveying systems for internal logistics, additional assembly and joining technology, as well as logistics and quality assurance solutions. The customer-specific solutions also include integrating testing and measuring technology into production facilities to safeguard production processes.

“This wide-ranging expertise enables us to provide our customers with complete solutions for their production facilities – including in the adhesives industry,” says Hartmut Storz, Director of Sales & Marketing at RAMPF Production Systems.

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RAMPF Production Systems GmbH & Co. KG develops and produces mixing and dispensing systems for bonding, sealing, foaming, and casting a wide variety of materials. The company also offers a wide range of automation skills relating to all aspects of process engineering.

With its more than 2,700 systems solutions on the market, RAMPF Production Systems, based in Zimmern o.R., Germany, is one of the world's leading suppliers of innovative systems for processing single, dual, and multi-component reactive resin systems.

In addition to the core competence of mixing and dispensing technology, customers are provided with a broad range of automation and conveyor systems for internal logistics, additional assembly and joining technology, as well as logistic and quality assurance solutions. The customer-specific solutions also include the integration of testing and measuring technology into production facilities to safeguard production processes.

This added value enables RAMPF Production Systems to supply its customers with holistic system solutions for their production facilities.

RAMPF Production Systems is a company of the international **RAMPF Group** based in Grafenberg (near Stuttgart)

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