



Compact Dispensing System C-DS

Maximum flexibility – from manual workstations to fully automated robotic systems

Compact system for all dispensing tasks

All RAMPF mixing systems can be used; suitable for all automation solutions.



Compact design

- Common base frame for controls and material conditioning, also available with complete housing



Highly flexible

- Metering pumps and mixing system can be integrated into existing handling units
- Compatible with all RAMPF metering and mixing systems



Control and process monitoring

- Siemens or Beckhoff
- Digital interface to the line PLC (MES)
- Permanent monitoring of pressure, temperature, and material levels
- RAMPF HMI as a universal user interface

Check out the
CD-S in action!



RAMPF – Dispensing & Digitalization

The new HMI

- Uniform user interface for dispensing process and control of CNC axes
- Full integration of automation and testing technology
- Hardware-independent solution with process-related icons and intuitive menu navigation (touch)
- Access to system via mobile devices
- Hardware from Beckhoff or Siemens
- Visualization of process-relevant parameters
- Concise graphic menu navigation



Monitoring of dispensing process



NC axis movements



Pressure monitoring



Production data

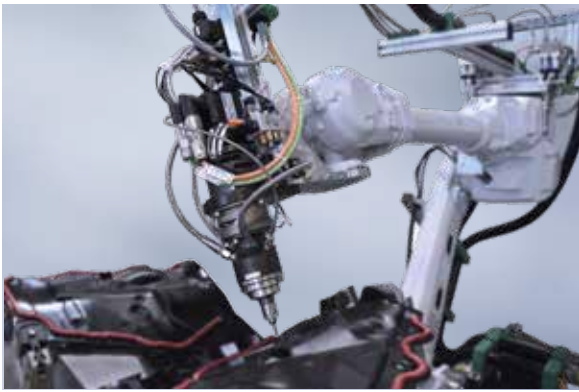


Standard-C-DS
with material conditioning,
controls, mixing system, and
dispensing head

Compact dispensing system C-DS

Adaptable. Compact.

Integration examples



C-DS+R with robot

for material application on complex 3D geometries



C-DS+RA with robot and automation system

for integration into a clocked production process



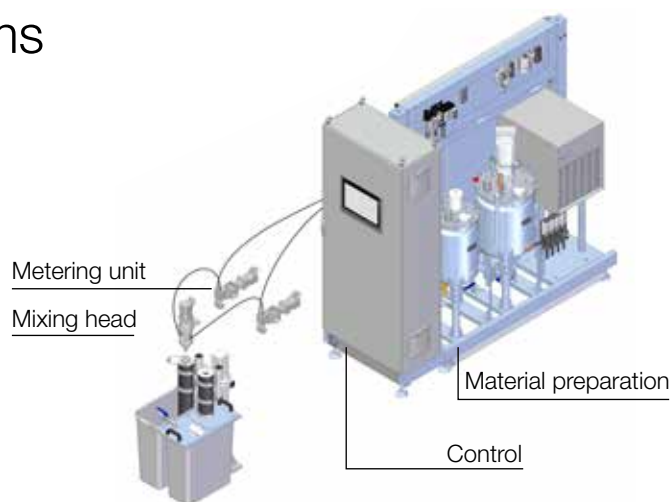
C-DS+RA with robot and conveyor belt

dispensing application integrated into component
production via conveyor belt system

For all dispensing tasks – from manual workstations to fully automated robotic systems

Product Details

The compact dispensing system C-DS is designed for the processing of 1K or 2K adhesives, resins, and sealants. It has been specially developed for integration into handling units (linear axis, 6-axis robots) and comes with all features required to process 2K foam gasket materials. The system consists of a material conditioning, metering, mixing unit and PLC controls. The modular design simplifies integration into existing production lines.



Technical Data

Dispensing performance, mixing ratio, number of components, etc. depend on installed mixing system

Number of components	1 – 4
Dosing pump	Gear or piston dispensing pumps
Mixing systems	Static and dynamic
Control system	Siemens or Beckhoff
Dosing parameter	Freely programmable
Human Machine Interface	HMI or RAMPF-HMI
Interfaces	All standard interfaces

Options (upon request)

- HP rinse recycling system or HP water rinsing system
- Nucleation controller for air load controls of gasket materials
- Material transfer station with el. agitator
- Automatic thin-film degassing system for bubble-free potting
- Material recirculation
- Tank agitator
- Servo driven linear axis
- Process monitoring
- Profibus/profinet connection
- Control panel
- Temperature controller
- Tele-service (EWON)
- Barcode scanner

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