



## 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 (dynamic and static)



#### Digital and intuitive

- Control: 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



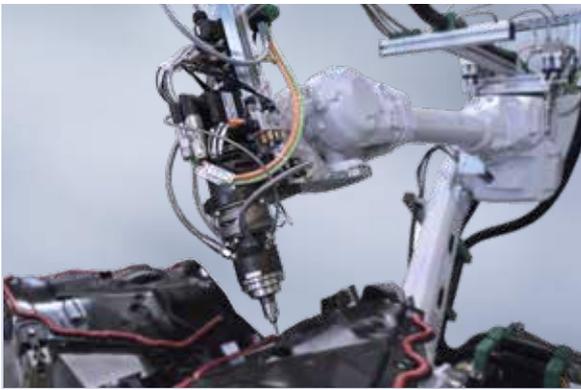
Production data



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

## Compact dispensing system C-DS

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

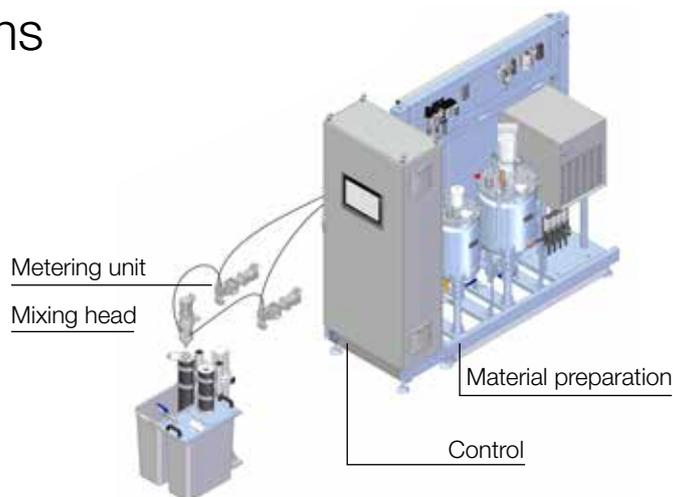


**C-DS+RA with robot and conveyor belt**  
dispensing application integrated into component  
production via conveyor belt system

# 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

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

## Options (more upon request)

- High-pressure rinsing system with cleaning agent or water
- 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 via online access
- Barcode scanner

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