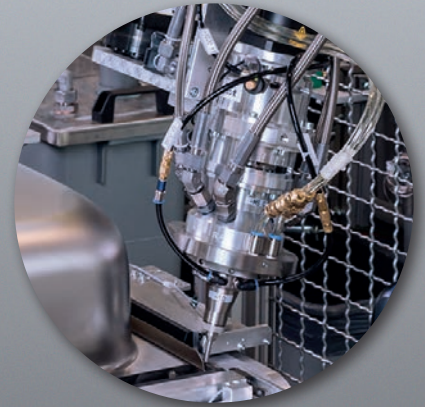


# Product Information: Compact Dispensing System C-DS

Flexible and compact for all dispensing requirements



C-DS for 4 components



Mixing head MS-C during dispensing



C-DS+ with robot

## Your Advantages

**Meets your individual requirements:**  
for manual operation, integration into your production line,  
or as fully automated robot cell.

### 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

### PLC controls

- > Siemens S7 PLC with TP 700/900 comfort user panel
- > Digital interface to the line PLC

### Integrated process monitoring

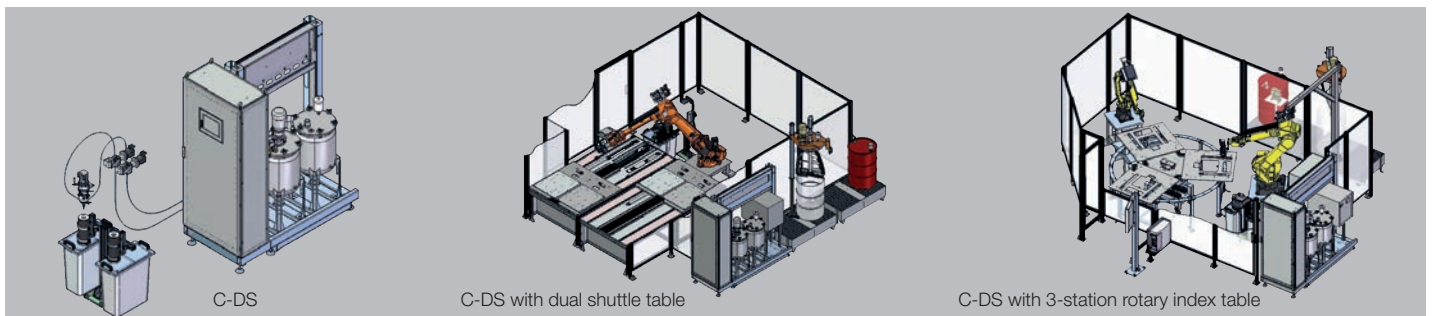
- > Permanent monitoring of pressure, temperature, and material levels
- > Graphic process visualization in combination with PC677 colour panel

# Compact Dispensing System C-DS

## 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, and mixing unit, and PLC controls. The modular design simplifies integration into existing production lines.



## Technical Data

	C-DS	C-DS+
<b>Dispensing capacity, mixing ratio, etc.</b>	depends on installed mixing system	
<b>Number of components</b>	1–2	1–4
<b>Weight</b>	approx. 600 kg	approx. 700 kg
<b>Controls</b>	Siemens S7-300 (313C)	Siemens S7-300 (314C)
<b>Dispensing programs</b>	max. 99	max. 99
<b>Electrical supply</b>	3 x 400 V / 50Hz; 16A	3 x 400 V / 50Hz; 16A
<b>Electrical consumption</b>	approx. 9 kW	approx. 11 kW
<b>Compressed air supply</b>	> 5 bar at max. flow rate 800 l min <sup>-1</sup>	
<b>Compressed air consumption</b>	5 – 20 l min <sup>-1</sup>	5 – 20 l min <sup>-1</sup>

## Options (more upon request)

	C-DS	C-DS+
<b>HP rinse recycling system or HP water rinsing system</b>	X	X
<b>Nucleation controller for air load controls of gasket materials</b>	max. 1	max. 2
<b>Material transfer station with el. agitator</b>	max. 1	max. 2
<b>Automatic thin-film degassing system for bubble-free potting</b>	–	X
<b>Material recirculation</b>	max. 2	max. 3
<b>Tank agitator</b>	max. 1	max. 2
<b>Servo driven linear axis</b>	–	X
<b>Process monitoring via:</b>	level control max. 2 pressure monitoring max. 4 electronic scale	all options available, no limitations
<b>Profibus/profinet connection</b>	–	X
<b>Control panel MP277 or PC677</b>	X	X
<b>Temperature controller</b>	X	X
<b>Tele-service (VPN)</b>	X	X

**RAMPF** Production Systems GmbH & Co. KG

Römerallee 14 | 78658 Zimmern o. R. | Germany

T +49.741.2902-0

E production.systems@rampf-group.com

[www.rampf-group.com](http://www.rampf-group.com)