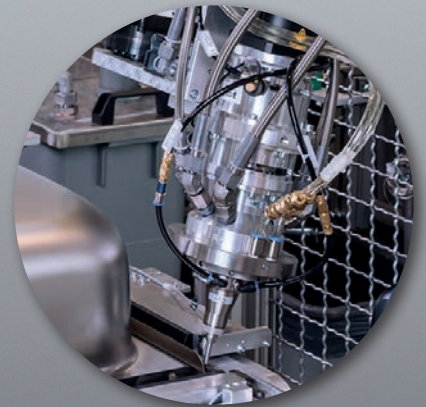


Product Information: Compact Dispensing System C-DS

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

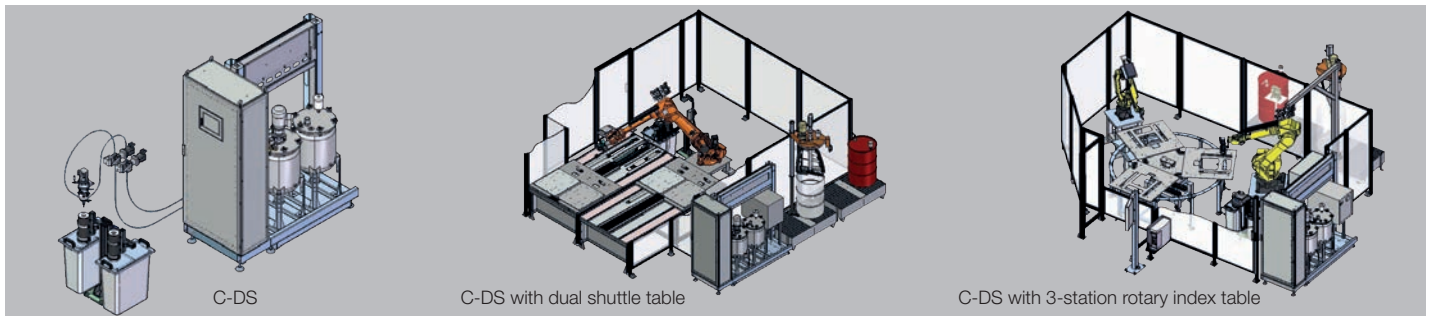
- > Permanent monitoring of pressure, temperature, and material levels
- > Graphic process visualization in combination with PC677 colour panel

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

Options (more upon request)

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

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