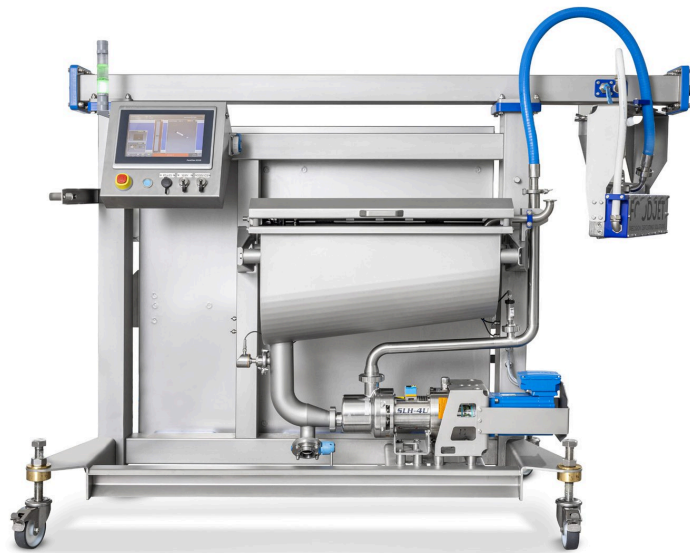




MDSUC

Mobile Depositor with Supply Unit for Ambient Temperature



Movable frame

Move it to the line where you need it, and away from it for cleaning. The MDSUC is a mobile depositor on a Z-shaped frame, with an integrated supply unit. A cantilevered beam carries the depositing heads over the conveyor. Lockable castors let you move the system in or out of the production line and make cleaning easier. The supply unit houses the pump, the control system with touchscreen HMI and a product holding tank. The frame docks onto an existing conveyor or stands on the floor. The frame is IP67, with a hygienic design and minimal external cabling, and is built to withstand demanding handling and intensive cleaning.

Tailored depositing range

Your line keeps running while the MDSUC deposits. The depositing heads sit directly over the moving conveyor and deposit accurately onto the products as they pass, without the need to start or stop.

Each depositing head is a row of individually controlled nozzles, so you choose on the HMI whether to cover the full surface or deposit a pattern. The depositing width is configured to your application. With more than one head, the sections combine into one continuous depositing range that covers a wider conveyor, or each head can be aligned to its own lane of products.

Highly accurate deposit volume

Deposit volume is digitally controlled to your setting. A sanitary double rotating piston pump, driven by a servomotor, feeds the material from the holding tank to the depositing heads. The control system calculates the required pump rotations in advance from the pattern to be deposited. Together with synchronised valve timing, this gives a highly accurate deposit volume. Patterns and deposit volumes are selected on the HMI.

MDSUC

Mobile Depositor
with Supply Unit,
Ambient

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Technical specifications:

- Models (max. effective width): MDSUC1: 300 mm · MDSUC2: 600 mm · MDSUC3: 900 mm · MDSUC4: 800 mm (FJ32 only)
- Suitable depositing heads: FJ30/FJ31 up to 3, FJ32 up to 4; one type per machine
- Product detection: photosensor product detection and conveyor speed encoder
- Operator functionality: HMI with pattern selection and operator settings
- Control platform: FJCP on Beckhoff IPC, 16" colour touchscreen HMI
- Electrical connection: 400V 3PH + N + GND, 50 Hz (EU); 480V 3PH + N + GND, 60 Hz (US)
- Compressed air: Festo air unit with filtering and digital pressure control; 6-8 bar, ISO 8573-1:2010 class 7.4.4

WWW.FOODJET.COM

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Ambachtsweg 49 | 6541 DA Nijmegen
The Netherlands | T +31 24 3790061
info@foodjet.com | www.foodjet.com

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