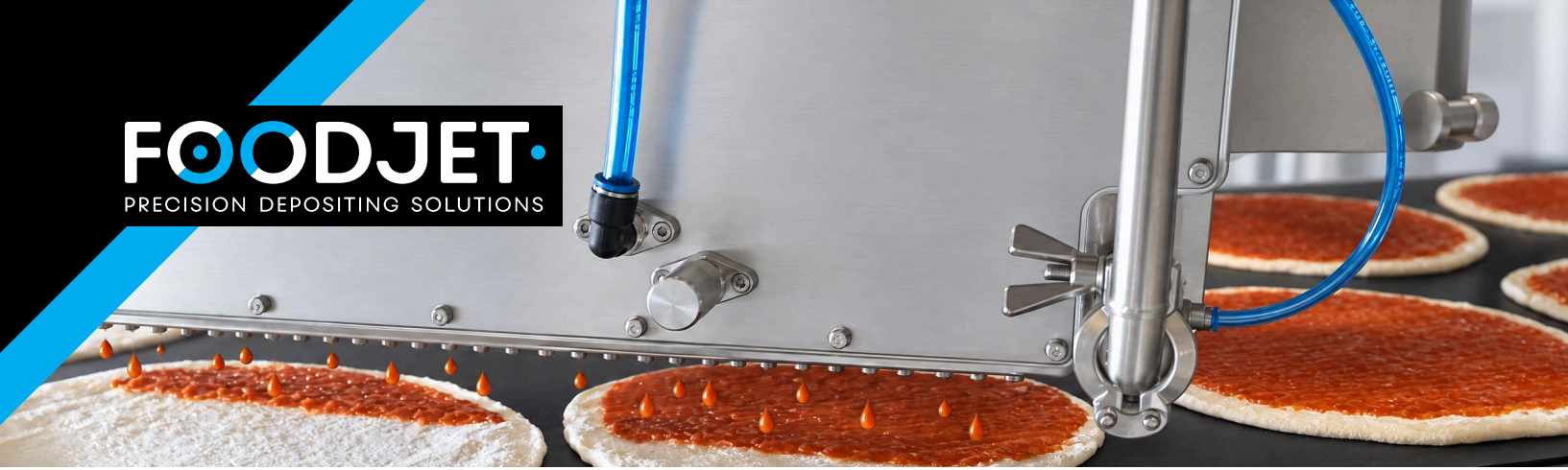
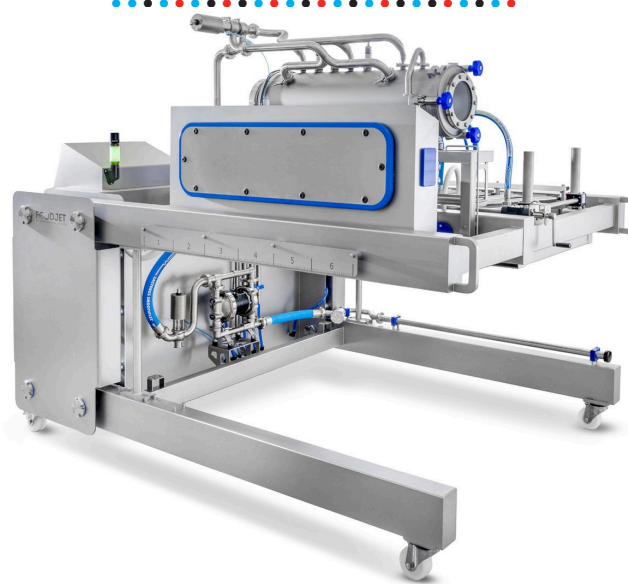




MDLV

Mobile Depositor Large with Vision



Movable frame

The MDLV is a movable C-frame that holds a row of depositing heads of one type. It contains the mass supply piping, pumps, buffer tank, and control cabinet. The frame can be docked onto an existing conveyor system or onto the floor. The entire frame is IP67, sanitary design with minimal cabling on the outside. It is built for extremely harsh environments regarding handling and cleaning. The entire material circuit is CIP-able without any need for disassembly.

Flexible depositing

The depositing heads are positioned directly over the moving conveyors, so the depositing material can be accurately deposited on the products as they are transported, without the need to start or stop the line.

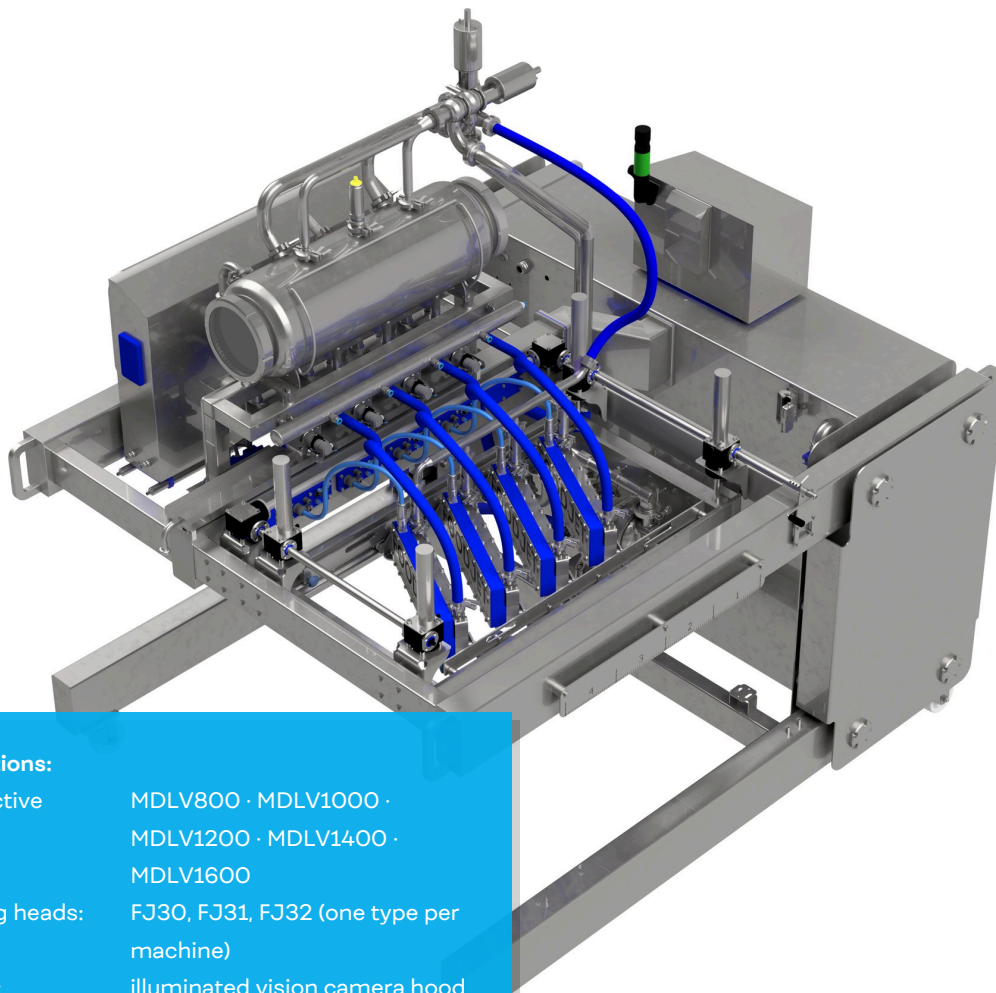
Each head deposits on its own section of the conveyor belt. Together, these sections form one continuous depositing range that reaches products at any position across the effective width of the belt. A camera system captures the contour of every product and adapts the patterns accordingly, keeping the deposit volumes constant despite shape variations.

Highly accurate deposit volume

Volume control is done by means of servo-driven volumetric pumps. One pump is directly connected to one depositing head with a short flexible hose. The servo controller continuously calculates the pump's required rotational position based on forward information of the patterns to be deposited. This way, the deposit volume is digitally controlled to your setting.

MDLV

Mobile Depositor Large with Vision



Technical specifications:

- Models (max. effective width): MDLV800 · MDLV1000 · MDLV1200 · MDLV1400 · MDLV1600
- Suitable depositing heads: FJ30, FJ31, FJ32 (one type per machine)
- Product detection: illuminated vision camera hood on the entry side
- Control platform: FJCP on Beckhoff IPC, HMI, EtherCAT bus
- Servo drives: stainless steel, fanless, on compact volumetric pumps
- Electrical connection: 400V 3PH + N + GND, 50 Hz (EU); 480V 3PH + N + GND, 60 Hz (US)
- Compressed air: 6-8 bar, ISO 8573-1:2010 class 7.4.4

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