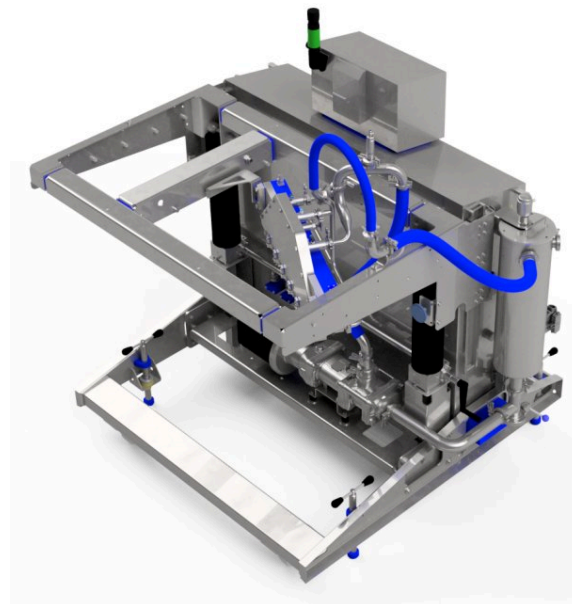




MDM

Mobile Depositor Medium



Movable frame

The MDM is a movable C-frame that holds one large depositing head. It contains the mass supply piping, pump, 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.

Depositing on a single lane

The depositing head is positioned directly over the moving conveyor, so the depositing material can be accurately deposited on the products as they are transported, without the need to start or stop the line. A trigger sensor detects each product and starts the stored pattern at the right moment. The MDM works without vision, so products must be supplied aligned, in a fixed position on the belt. This makes the MDM a straightforward entry into automated depositing. For products that are not aligned, or for deposits that adapt to the shape of each product, the MDMV with vision is the right choice.

Highly accurate deposit volume

Total volume control is done by means of the servo-driven volumetric pump, feeding a common rail to the head. Advanced control loops and active buffering help prevent fluctuations in the deposit volume. 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.

Minimal operator interference

Once a product supply is connected, from a container or an external supply line, the MDM takes care of buffering, pumping and depositing automatically. The operator selects the recipe and monitors production. Cleaning is just as straightforward: the complete material circuit is designed for CIP cleaning without disassembly, with minimal operator interference.

MDM

Mobile Depositor Medium



Technical specifications:

- Model (max. effective width): MDM300
- Suitable depositing head: FJ31
- Product detection: trigger sensor
- Control platform: FJCP on Beckhoff IPC, HMI, EtherCAT bus
- 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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