

# Gravimetric Dosing Unit MDS Balance

The MDS Balance\* is the highest standard in gravimetric dosing. It proves its value on a daily basis in all branches, under all circumstances in injection moulding, blow moulding and extrusion.

The dosing cylinder and patented weighing technology ensure extremely accurate dosing, even when low dosage rates are required. In this way, high savings on expensive additives can be achieved.

The continuous loss-in-weight measuring feature and automatic motor speed adjustment are key to a stable production process. This guarantees high quality end products and fewer rejects.

\* also for clean room and high temperature applications

## Features

- ▶ Capable of dosing at extremely low dosage rates
- ▶ Continuous loss-in-weight measuring
- ▶ Automatic material calibration
- ▶ 8" full colour touch screen
- ▶ Recipes storage function

## Extremely Accurate Dosing

The dosing cylinder releases the additive in a steady flow. The stepper motor ensures maximum control with no stoppages or pulsations. There is no other method in the world as accurate as this.



## User Friendly

Anyone can operate the MDS Balance. Moreover, the MCLan system enables you to monitor all your MDS Balance units from one computer. Additives can be changed in less than 60 seconds and the units are easy to clean.



## Modular System

The MDS Balance is a modular system that can be configured easily to your needs: for dried materials, for regrinds, for free-flowing powders, multi component extrusion or with integrated hopper loaders.



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## Technical Specifications Capacity

0.07 - 180kg/h (depending on dosing tool fitted)

## Applications

Injection moulding and extrusion

## Communication

Modbus TCP/IP, Profibus, Profinet

## Data Storage

Internal memory (static changes), MCLan data logging software (dynamic changes), 500 recipe storage function

## Power Supply

95-250 VAC, 50/60 Hz

## Power Consumption

150 Watt maximum

## Languages

English, German, Dutch, French, Hebrew, Turkish, Chinese, Thai, Japanese, Russian, Italian, Czech, Portuguese, Spanish, Indonesian, Polish, Korean, Hungarian, Swedish, Romanian\*\*\*

## Operation

8" full colour touch screen display

## Input Signals

Start input: potential free, 24 VDC or extruder tacho (0-30 VDC)

## Output Signals

Alarm, warning, run, valve (for hopper loader control ), 2x0-10 VDC\*\* or 4-20 mA\*\*

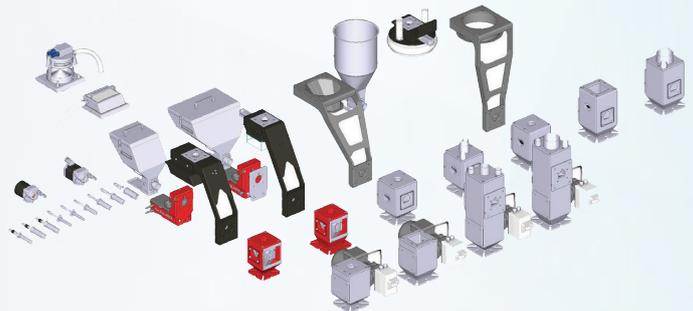
\* measured with a bulk density of 0.8 kg/dm<sup>3</sup>

\*\* optional

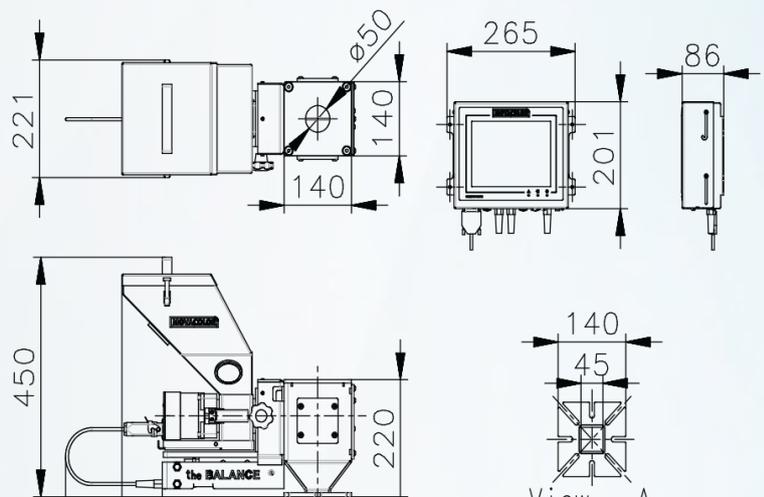
\*\*\* additional languages on request



## Modular System



## Dimensions



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