



Seed Counting & Filling System

MZ 2000 (formerly DRELLO MZ 2000)

... when precision counts

- high counting speed with accurate results and gentle handling of seeds
- purging of glumes and small grain breakages by roller conveyor
- no separation of the seeds according to size or weight
- high-quality design
- easy handling and secure operation
- bag detection
- batch programming for pre-setting various filling quantities
- serial interface for controlling standard applications via PC
- compatible with seed coating device MZB 2600

ELMED
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MZ 2000 (formerly DRELLO MZ 2000)



The unique MZ 2000 counting & filling system enables economical and gentle handling of your seeds. The roller conveyor allows the device to operate without vibrations, preventing a separation by size and weight. Additionally, impurities such as glumes of grains and small breakage fragments are removed mechanically.

The desired number of bags and seeds can be pre-set via keyboard. After confirmation, the grains are counted and filled continuously. The removable carousel allows large beakers or bags to be attached directly to the counting head. Alternatively, the MZ 2000 can be operated with an optional RS-232 interface using commands via terminal software on a PC. Batch programming for pre-setting various filling quantities, bag detection, and bag holders with clamping levers are also available as options.



The MZ 2000 can be operated in combination with the lab seed coating device MZB 2600, which also provides a bag holder for filling. An adjustable amount of seeds is filled from the seed counting device into the seed funnel of the coating device and the pre-set coating process starts automatically after the counting process is completed. The new counting process starts again during the coating process, so no waiting times occur. After changing the bag on the coating device, the new coating cycle starts. This combination increases the performance, since counting, coating and filling are part of a single process.



The counting & filling system MZ 2000 is suitable for the following seeds types:

- maize/corn
- beans *
- peas *
- grain *
- oats *
- millet *
- beet seeds *
- sunflower seeds *

* For the marked and other seeds, please contact us.
We offer corresponding tests based on your samples.

Technical Data

Counting/filling quantity

Total quantity counter

Counting accuracy

Counting speed

Filling time

Number of bag holders on carousel

Display

Electrical data

Supply voltage

Current consumption

Power consumption

Environmental conditions

Operating temperature

Air humidity

Dimensions & weight (incl. base plate, seed funnel, carousel & guiding brush)

Dimensions (W x H x D)

Weight

Volume seed funnel

Scope of supply

Options

Options in conjunction with coating device MZB 2600

Seed count: max. 9999 pcs. per counting process

Bag count: max. 9999 bags per program cycle

up to 16 million pcs.

99 % (at 1000 pcs.)

approx. 700 pcs. per minute (with medium seed size)

approx. 14 min. for 50 bags of 100 pcs. = 5000 pcs. (with medium seed size)

6 / 8 / 10 / 12 depending on customer requirements

LC display

230 VAC / 40 – 60 Hz

optional 110 VAC / 50 – 60 Hz

0.2 A

40 W

0° ... +50 °C (thermal time constant > 10 K/h)

≤ 80%, non-condensing

approx. 670 x 580 x 280 mm

approx. 25 kg

approx. 1.8 liters (corresponds to approx. 1.4 kg of medium maize/corn size)

MZ 2000 counting & filling system, carousel with bag holder according to customer requirements, seed funnel, overflow/quick emptying tray, glume tray, operation manual (German / English / French)

RS 232 interface for operation using commands via terminal software on a PC

batch programming for pre-setting various filling quantities

(Note: Operation/configuration of batch programming via optional RS 232 interface is not possible)

bag detection

bag holder with clamping lever (possible bag holders: 6 / 8)

control cable

mounting plate

Revisions in the course of technical progress reserved.