

SB & MH  
RECEIVING HOPPERS

dewulf   
enjoy growing

# THE DRIVING FORCE FOR YOUR STORAGE PROCESS

The Miedema receiving hoppers form the basis for the reliable storage. They serve as a buffer and provide the cleaning and possibly grading of your product. The receiving hoppers are your guarantee for product-friendliness, capacity, user-friendliness and versatility. And

most importantly: The operating costs remain pleasantly low. The innovative MH series and its smaller brother, the SB series, have been developed to provide the solution for exacting users such as you.



## SIMPLER

The SB and MH series utilise a large, dust-proof control box. Pictograms make the operation very easy. As standard, the receiving hoppers are delivered with a wired remote control. All machines are equipped with Start-Control. By pressing the start button once, all machines start in their connected order with the use of timers. This will prevent current spikes in the power grid and optimizes both the capacity as well as the product-friendly handling. The useful, automated SB-

Control or MH-Control capacity regulation with two sensors and four stop programs additionally makes the work very pleasant.

## MORE EFFICIENT

The MH series is highly suited as the basis for a combination machine, an MHC (Combi). As a result, Dewulf can offer a tailor-made solution for each customer, in which combinations can be made at the request of the customer for the buffering, cleaning, grading, reading and transporting. An MHC is always an economical machine in which all good properties of the individual modules are combined.

## MIEDEMA SB 151

The SB 151 is the smallest receiving hopper in the Dewulf product range, however the machine is equipped with the necessary features. This receiving hopper is intended for growers with limited available space. Due to its compact dimensions, the SB 151 can be easily positioned anywhere. There is a choice between various roller units as well as between a discharge



### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	311 cm	10 ft
Height (depending on the options)	270 - 370 cm	9 - 12 ft
Entry width	295 cm	9.5 ft
Width bunker floor	120 cm	4 ft
Length bunker floor	350 cm	11.5 ft
Speed bunker floor	0.2 - 8.2 m/min	0.66 - 26.90 ft/min

## MIEDEMA SB 451

The SB 451 is a small unit with great capacities and has an efficient bunker capacity of 10 m<sup>3</sup> (353 ft<sup>3</sup>). This product-friendly receiving hopper can be equipped with various options both in the field of cleaning and grading as well as an integrated inspection table.



### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	311 cm	10 ft
Height (depending on the options)	270 - 370 cm	9 - 12 ft
Entry width	295 cm	9.5 ft
Width bunker floor	160 cm	4 ft
Length bunker floor	350 cm	11.5 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

# MIEDEMA SB 651

The SB 651 has a 2 m (7 ft) wide, product-friendly bunker floor. This is a receiving hopper with a capacity of 12 m<sup>3</sup> (424 ft<sup>3</sup>) that receives the product and transports it to the unit located behind the bunker. You can choose from various roller combinations for the cleaning and/or grading, after which an inspection table is provided, if desired.



## TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	311 cm	10 ft
Height (depending on the options)	270 - 370 cm	9 - 12 ft
Entry width	295 cm	5.25 ft
Width bunker floor	200 cm	6.5 ft
Length bunker floor	350 cm	11.5 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

# COMPACT AND PRODUCTIVE AT THE SAME TIME

The SB series contains the most compact receiving hoppers within the Dewulf product range and at the same time can achieve a high capacity of up to 150 tonnes per hour. Due to a number of select options, these receiving hoppers can be perfectly attuned to the respective local conditions. The SB series is characterised by a heavy-duty construction of the bunker. The heavy-duty, specially hardened bunker chain guarantees maximum service life with minimum maintenance. Loss of product is prevented by the bunker's especially high side boards and the sturdy double rubber flaps for a perfect seal of the entry opening and product guidance with each transition.



Strong carrying capacity



Consistent delivery



Roller unit

## MIEDEMA MH 200

The compact MH 200 has a practical bunker capacity of 11 – 13 m<sup>3</sup> (389 - 459 ft<sup>3</sup>) and is ideally suited for medium-sized companies. The receiving hopper convinces due to its large capacity and cleaning with a maximum degree of product-friendliness.



### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	309 cm	10 ft
Height (depending on the options)	300 - 370 cm	10 - 12 ft
Entry width	294 cm	9.5 ft
Width bunker floor	200 cm	6.5 ft
Length bunker floor	440 cm	14.5 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

## MIEDEMA MH 201

The MH 201 is suitable for medium-sized and larger growers. Due to an efficient bunker capacity of 15 – 17 m<sup>3</sup> (530 - 600 ft<sup>3</sup>), this receiving hopper is especially suited for growers that require a larger buffer. Furthermore, this type is the solution for growers that work with a variety of low dumping tipping trailers.



### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	309 cm	10 ft
Height (depending on the options)	300 - 370 cm	10 - 12 ft
Entry width	294 cm	9.5 ft
Width bunker floor	200 cm	6.5 ft
Length bunker floor	560 cm	18 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

## MIEDEMA MH 240

The professional and user-friendly MH 240 is suitable for medium-sized and larger growers. This receiving hopper is ideal for growers that desire a buffer capacity in spite of limited available space. The volume of this type is 13 - 15 m<sup>3</sup> (459 - 530 ft<sup>3</sup>).



## MIEDEMA MH 241

The MH 241 is suitable for medium-sized and larger companies and has a bunker capacity of 18 - 20 m<sup>3</sup> (636 - 706 ft<sup>3</sup>). Due to the nod on the intake end, this receiving hopper is highly suited for growers that work with a large variety of tipping trailers.



### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	349 cm	11.5 ft
Height (depending on the options)	300 - 370 cm	10 - 12 ft
Entry width	334 cm	11 ft
Width bunker floor	240 cm	7.9 ft
Length bunker floor	440 cm	14.5 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

### TECHNICAL SPECIFICATIONS

Largest width [cm] (without discharge conveyors)	349 cm	11.5 ft
Height [cm] (depending on the options)	300 - 370 cm	10 - 12 ft
Entry width [cm]	334 cm	11 ft
Width bunker floor [cm]	240 cm	7.9 ft
Length bunker floor [cm]	560 cm	18 ft
Speed bunker floor [m/min]	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

## MIEDEMA MH 242

The MH 242 offers the solution for large storage companies and growers. Due to the long straight floor of the MH 242, a consistent product filling is ensured with a buffer capacity of 26 - 28 m<sup>3</sup> (918 - 989 ft<sup>3</sup>). Due to the large bunker capacity, it is often possible to reduce the required transport units by one vehicle.



## MIEDEMA MH EFFICIENT LOGISTICS

The MH Efficient Logistics offers the best of 2 worlds. It is a combination of a receiving hopper (MH 242) with a buffer receiving hopper (MH 241). With this combination, the trailer can be unloaded quickly and standstill is limited to a minimum. The buffer effect provides a constant capacity. With this, the MH 241 can be configured freely.



### TECHNICAL SPECIFICATIONS

Largest width [cm] (without discharge conveyors)	349 cm	11.5 ft
Height [cm] (depending on the options)	300 - 370 cm	10 - 12 ft
Entry width [cm]	334 cm	11 ft
Width bunker floor [cm]	240 cm	7.9 ft
Length bunker floor [cm]	760 cm	25 ft
Speed bunker floor [m/min]	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

### TECHNICAL SPECIFICATIONS

Largest width (without discharge conveyors)	349 cm	11.5 ft
Entry width	334 cm	11 ft
Width bunker floor	240 cm	7.9 ft
Length bunker floor	760 + 570 cm	25 + 18 ft
Speed bunker floor	0.1 - 4.6 m/min	0.33 - 15.09 ft/min

# MIEDEMA MH 28X

In this series, all parts have been developed to be heavy-duty, especially for bulb growers and industry (e.g. cacao). The weights are much higher with these crops as much more soil is carried along from the field to the storage facility. This series of receiving hoppers has been especially designed to withstand these high loads.

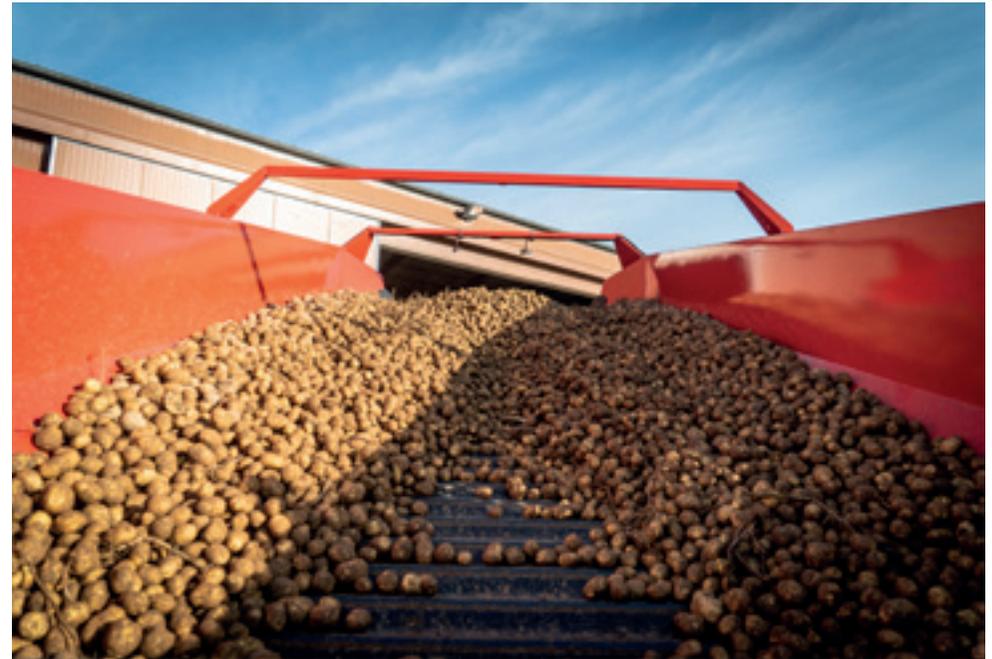


TECHNICAL SPECIFICATIONS	MH 280		MH 281		MH 282	
Capacity	33 - 35 m <sup>3</sup>	1165 - 1236 ft <sup>3</sup>	37 - 39 m <sup>3</sup>	1307 - 1377 ft <sup>3</sup>	41 - 43 m <sup>3</sup>	1448 - 1519 ft <sup>3</sup>
Largest width	399 cm	13 ft	399 cm	13 ft	399 cm	13 ft
Height (depending on the options)	200 - 390 cm	6.5 - 12.5 ft	235 - 440 cm	7.7 - 14.5 ft	260 - 495 cm	8.5 - 16 ft
Entry width	320 cm	10.5 ft	320 cm	10.5 ft	320 cm	10.5 ft
Bunker floor width	280 cm	9 ft	280 cm	9 ft	280 cm	9 ft
Bunker floor length	900 cm	30 ft	1025 cm	33.5 ft	1150 cm	38 ft
Bunker floor speed	0.1 - 4.7 m/min	0.33 - 15.42 ft/min	0.1 - 4.7 m/min	0.33 - 15.42 ft/min	0.1 - 4.7 m/min	0.33 - 15.42 ft/min

## THE HEART OF THE RECEIVING HOPPER

The MH series is excellently suited for a very wide range of requirements and is suitable for medium-sized to large storage companies or transshipment companies as well as growers. The robust construction of the bunker guarantees the highest durability in the market. The special support at the intake end prevents sagging of the bunker floor, so the use of large trailers poses no problem. The heavy-duty, specially hardened bunker chain guarantees maximum service life with minimum maintenance.

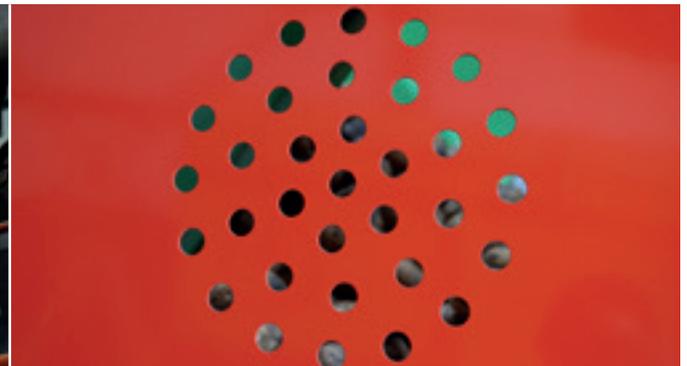
The product-friendly bunker floor with canvas has an excellent carrying effect. Loss of product is prevented by the bunker's extra high side boards and the sturdy double rubber flaps (extra rubber flaps are optional) at the intake end for a perfect seal. Perforations on the side boards on both sides provide a good view of the emptying tipping trailer and the filling of the receiving hopper. Various available options and variants make this machine perfect to adjust to your requirements.



CONSISTENT DELIVERY



DISCHARGE CONVEYORS WITH TRACKING BELTS



EASE OF USE

# TAILOR-MADE CLEANING AND GRADING

The method of cleaning and grading completely depends on your own specific situation. For this reason, Dewulf offers various possibilities, from which you can choose the one most suitable for you. By grading quickly and accurately, you can achieve considerable increases in the economical yield of your product. In this regard, you can choose to position the roller unit before the cleaning and/or grading or immediately behind the receiving hopper or in the receiving hopper combination.

The wide roller unit behind the bunker ensures good cleaning. The roller unit can be set accurately to the correct position and gap width. The optional second roller unit can also be equipped as required. With the grading rollers, you can separate your product according to size and in this manner add an additional value to your product. In each case, the choice can be made between 6, 7, 8 rollers, in which the first roller unit can be expanded to 12, 14 or 16 rollers.



**SMOOTH ROLLERS**

The smooth rollers are suitable for the processing of heavy soil. In the event of particularly harsh conditions, scrapers keep the rollers free of clumping soil. They can also be combined with spiral rollers in which all rollers are quickly and easily interchangeable.



**SPIRAL ROLLERS**

The spiral rollers are suitable for various types of soil, even in stony areas. With their closed design, they provide the best cleaning without haulm wrapping around the roller. In combination with the Smart-Pin, you additionally can always clean at maximum efficiency, without interruption.



**PU ROLLERS**

The polyurethane star rollers with 7 or 11 studs are available alternatively. These are suitable for the processing of light soil. These ensure an efficient cleaning with sufficient product-friendliness.



**SU GRADING ROLLERS**

The SU grading rollers always have a precise square size with each adjustment. They are available in 35-55, 40-60, 50-70 mm (1.38-2.17", 1.57-2.36", 1.97-2.76") and are infinitely adjustable within each range. These rollers are only possible in the second roller unit. Again, scrapers can keep the rollers free of clumping soil.

## OPTIONS



### CLEAN BOOST

#### CLEAN-BOOST

With Clean-Boost, the speed of the electrically driven PU rollers can be boosted briefly to remove caked-on soil, so as to maintain optimum cleaning capacity.



#### SMART-PIN

Thanks to the Smart-Pin, a hard-wearing point that runs between the spiral rollers, you are assured of consistent product cleaning quality without interruption of the storage process. A second pin can be added when you are confronted with harsh conditions. In addition, there is also a retractable Smart-Pin, for the prevention of haulm build-up.



#### FLOW-PIN

Thanks to the Flow-Pin, you increase the grading capacity of your receiving hopper. It provides the consistent and product-friendly transportation of the product on smooth rollers or grading rollers.

## LIFT-SET

The unique feature of the Lift-Set (only possible with the MH series) is that whether or not grading is performed can be selected very easily. The machine can be reconfigured in a mere 2 minutes without the need for a large number of actions or tools. Additionally, the special construction ensures the 100% separation of the product, low falling heights, better and greater grading capacity. It is also possible to transport all product flows to a single side.



# THE MIEDEMA RECEIVING HOPPER COMBINATIONS ARE YOUR TOTAL SOLUTION

An MHC will provide an immediate benefit. Because all modules are positioned on a single chassis, all mutual settings are maintained. In this manner, you can easily achieve the maximum capacity and optimal product-friendliness. Moreover, you will hardly lose any time

on the transporting and set-up of your storage line. Due to a large number of combination possibilities such as cleaning, grading, direct inspection of the product and stone and clod separators, you will have a flexible and simultaneously reliable machine.

## MHC WITH CENTRAL OUTLET



**MHC WITH A SINGLE CLOD SEPARATOR**



**MHC WITH DOUBLE CLOD SEPARATOR AND INSPECTION TABLE**



# OPTIONS



**SB-CONTROL AND MH-CONTROL**

Two sensors are used to control the speed of the bunker floor, which further boosts capacity. Due to the continuous discharge of product, each machine of your storage line is filled optimally without the need for manual adjustment. This is your guarantee of maximum product-friendliness.



**VARIABLE INTAKE BOARD**

A variable intake board is the solution when various trailers are used for the unloading of the product. This is easy to adjust up and down within a height range of 85 to 120 cm (33.5" to 47.2"). This prevents spilling of the product.



**NAVIGATION LIGHT**

A white navigation light on the side boards provides a point of reference for the transport vehicle driver for driving straight back. When the transport vehicle has driven far enough into the receiving hopper, the light turns red and you are assured of the most optimal unloading position of the transport vehicle.\*\*



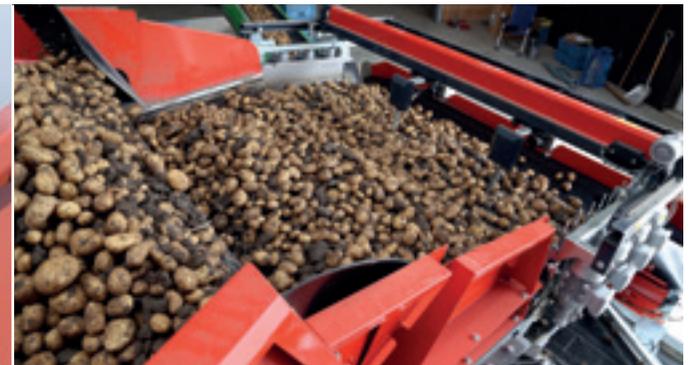
**AUTOMATIC LUBRICATION SYSTEM**

The automatic oil system for the bunker chain is your guarantee for the perfect lubrication with less wear and lower electricity consumption as a result. So you can use your time optimally throughout the season.\*\*



**TIPPING TRAILER DETECTION**

The tipping trailer detection stops the machine or storage line automatically when the trailer is empty. A residual layer of potatoes remains at the intake so the next load is not dumped directly onto the bunker floor. This way you are assured of maximum product-friendliness.\*\*



**PRESENTATION CONVEYOR**

When you are confronted with heavy soil, contaminated or long products, then a presentation conveyor behind the bunker will guarantee maximum capacity. The presentation conveyor ensures even distribution and dosing as a result of which an efficient cleaning and dosing is achieved.\*\*

\*\* Not possible with the SB series



## FLEXIBLE FOR VARIOUS CROPS

- Potatoes
- Onions
- Carrots
- Beetroot
- Parsnip
- Root parsley
- Chicory
- Salsify
- ...

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