

# **MIEDEMA SB HOPPERS**

**The basis for high capacity**



**Miedema**

# WHY ARE YOU BETTER OFF WITH A MIEDEMA HOPPER:

## Particularly product-friendly:

- No drops in between moving bed, cleaning unit, crop discharge conveyor and grading unit.
- Proper cleaning by precise and simple adjustment of the working angle and the distance between the rollers.

## High capacity:

- Moving bed with PVC cross bars for huge carrying capacity
- SB-Control
- Troughed crop discharge conveyor

## Outstanding ease of use:

- Remote control for Start/Stop and moving bed speed
- Steplessly adjustable speed

## Excellent durability:

- Heavy chains to drive the moving bed
- Long-life sprockets and chains on RZ/SZ/SU rollers for low power requirement

## Multifunctional usage:

- Interchangeable rollers and coils
- Modular construction

## PARTICULARLY PRODUCT-FRIENDLY



The SB Hopper has no fall heights between the different platforms, like between the moving bed and the cleaning unit, the TAB crop discharge conveyor and the SU grading unit. It does not change when you adjust the inclination of the cleaning unit.

The grading unit can be set steplessly to the desired spacing and will maintain its exact square size at all settings. The SU is particularly product-friendly and works most accurately at high capacity. You will appreciate this when filling and emptying the store.

## HIGH CAPACITY



The trough shaped crop discharge conveyor controls the movement of the crop. It offers more discharge capacity and damages less at the same time.



The main feature of the SB Hopper is the strong moving bed with the PVC cross bars, which does not only carry potatoes and onions, but also conveys chicory, flower bulbs, apples and turnips quit easily. The smooth PVC protects the belting and prevents wear.





The SB-Control (option), an automatic capacity control system, enables you to use

the capacity of your entire instore line optimally. The two sensors, positioned above the moving bed, detect the height of the product stream. SB-Control adjusts the speed of the moving bed such that at all times you obtain a steady flow to the soil extractor and the belt of the other machines in the storing line. This means higher capacity, better stored product quality and more cost effectiveness.

## OUTSTANDING EASE OF USE



The effectiveness of the soil extractor can be adapted in a simple way to your crop: by adapting the inclination of the complete unit, the roller speed and the openings between the rollers. To set the angle of the moving bed on the SB 1051 and bigger Miedema hoppers effortlessly, an electrical device comes standard. On the SB 451/851 this feature is available as an option.

With the standard remote control the moving bed speed is steplessly adjustable from 0.1 to 4.6 m/min. From standstill the maximum speed is obtained in 4 seconds. Owing to this the belt filling on the entire storing line is very accurately controlled. You can also start and stop the hopper with the remote control.

## EXCELLENT DURABILITY



The rollers with double bearings, the large strong hinge plates and the heavy duty chain drive ensure little friction and a long life time. The large diameter rollers offer an adjustment range of 3 to 55 mm. Because the scrapers are fitted exactly underneath the centre of the rollers, soil and smalls will not accumulate on the scraper frames.

## MULTIFUNCTIONAL USAGE



SB Hoppers are of modular construction and can be supplied with various cleaning and grading units.

The rollers can be changed easily for coils or sizer rollers. This makes SB Hoppers multifunctional in use during filling and emptying the store.

# OPTIONS



A specially designed and patented SZR cleaner is available to keep coiler rollers clean and to guarantee the cleaning function of the coils. Indispensable for heavy soil and under wet conditions.



The onion mill spreads the product before it comes on the cleaning rollers. This improves the quality of the cleaning process.



The RZR roller cleaner is available as an option for the stainless steel rollers and the grading rollers. The nylon fingers help the potatoes move ahead over the cleaning unit.



The variable input board is made of strong PVC belt attached with a spring loaded cable. The board can bend down during unloading of the tipping trailer. When the trailer is driving away, the board is pulled up automatically and keeps the bulk in the hopper. No more messing about!



SB-Control is an automatic capacity control, which regulates the speed of the moving bed such that at all times you obtain a steady flow to the soil extractor and the belts of the other machines in the storing line.

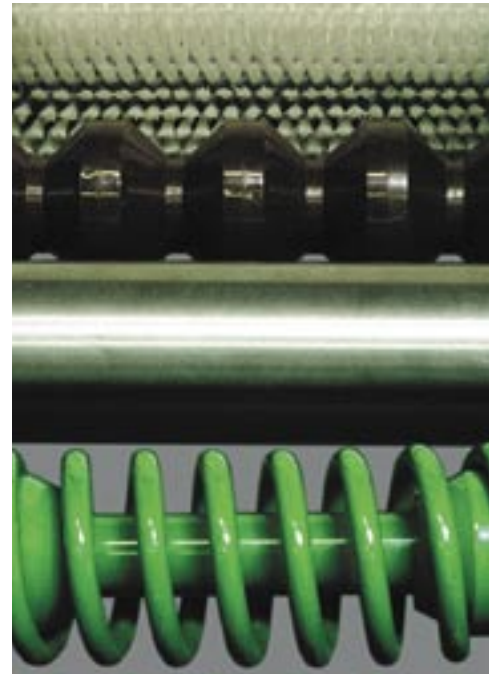


Without having to dismantle the SU roller unit you can deactivate the grading function by means of the special lifting device. It will lift the SU grading roller table, such that the product will be transported onwards directly via the grading units conveyor belt.



To optimize capacity and cleaning further, you can place an inspection unit before the cleaning unit.





Through their modular construction the SB Hoppers can be easily combined with an inspection unit or box fillers. This can all be built on a single chassis suitable for transport. Such a combination will be built according to your requirements and offers many advantages: always equally low fall heights by optimum placement of the units, high capacity, easy transportation, no cables lying around.

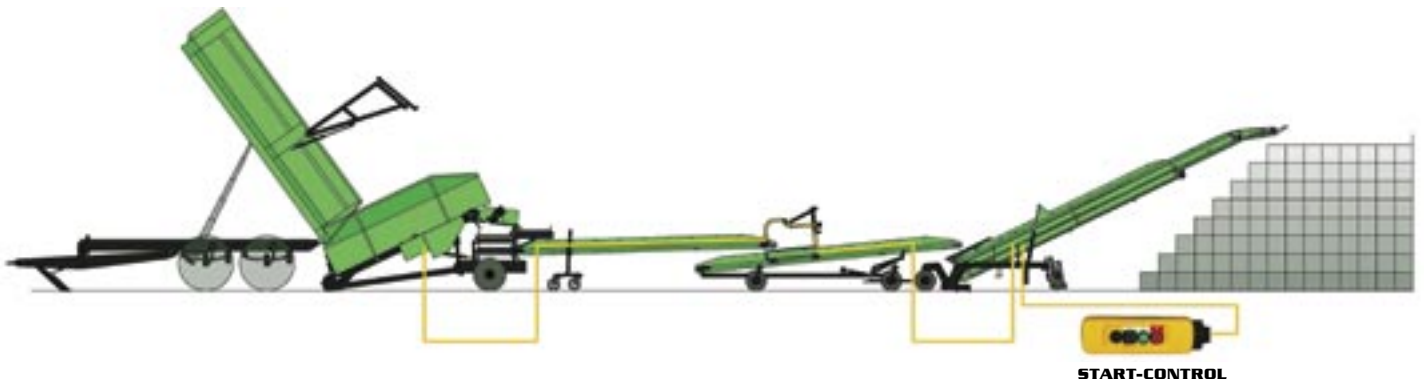
To always get an optimal performance you can fit the type of rollers that match the job that needs to be done (cleaning, sorting) and the actual local circumstances; heavy or sandy soil, stones...



To further optimise the result you can control the speed of the grading unit and the cleaning unit with the variable speed control (available in a mechanical version and with AC inverter)



With the PPB (Pommes Parisienne Belt) you can increase the value of the harvested crop by separating baby potatoes from the soil.



## START-CONTROL

Start-Control is a smart connection between the command cases of all the machines in the storing line. The complete line can be started by, for instance, a simple push on a button, switching on the LBV store loader, or by placing an empty box on the AKV box filler.

## WHY CHOOSE A MIEDEMA MACHINE?



Once you have chosen a Miedema machine you will have certainly made the right decision. Indeed, by listening closely to the customers, we are able to tune the specifications of the machine according to your demand. When developing machines at Miedema criteria like product-friendliness, capacity and user convenience are the most important considerations.

Our modular concept with all the combinations you can think of, makes it work for you.

But there is more: in close partnership with our dealers and importers Miedema has build up a reliable world wide service infrastructure at your disposition.

For technical questions, service and spare parts you can call on us at all times.

We like to share our long-time experience that is based on common sense and innovative thinking rooted in the specialised farmers daily practice. Among the many benefits you will obtain: low cost of ownership, low maintenance and service costs, low power demand, high second hand value.

If you work with Miedema machines, you have Miedema working for you!

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