

# **AKV BOX FILLERS AKL BOX TIPPERS**

**Precision filling and emptying**



**Miedema**

# WHY ARE YOU BETTER OFF WITH A MIEDEMA BOX FILLER:

## Particularly product-friendly:

- Ultrasonic sensors for minimal drop filling
- Layer by layer build-up (AKV 42)

## High capacity:

- Homogeneous filling
- Steplessly adjustable speed

## Outstanding ease of use:

- Fully automatic processing
- Touch screen instruction panel

## Multifunctional usage:

- Accurate storing and grading speeds for a large variety of products

## PARTICULARLY PRODUCT-FRIENDLY



The ultrasonic sensor detects the distance to the potatoes and controls the movement to the filling belt. In this way the drop remains minimal under all conditions. This filling mode forms the ideal starting point of good storage and an optimal use of your storage space.



The AKV 42 fills layer by layer. This prevents the potatoes from rolling in the box. Ventilation of the homogeneously filled box becomes more effective, more efficient and cheaper. This makes the AKV 42 the right machine to process your field crop.



The filling belt of the AKV 20 goes down to the bottom of the box to establish minimum fall height. Since the boxes are standing on the floor, the AKV is particularly compact.

### AKV 42



### AKV 20



The main difference between the AKV 42 and the AKV 20 resides in the filling method. The AKV 42 lifts the boxes off the ground to minimise the fall height, whereas the AKV 20 lowers its discharge conveyor into the box that remains on the ground.



## HIGH CAPACITY



The AKV 42 fills layer by layer, which contributes to keeping the fall height minimum.



You can set the moving speed of the filling conveyor steplessly to always get an accurate homogeneous filling, regardless if you are storing at a maximum capacity or sorting at a low capacity.

## OUTSTANDING EASE OF USE



Both AKV box fillers work completely automatic. Once a box is full, the box filler automatically continues with the next one without stopping the line. Only when both boxes on the machine are full, the whole storing line stops through the Start-Control and the box filler gives light and sonic signals. As soon as one of the boxes is replaced by an empty one, the line will start again automatically.



Via the touch screen you can easily set-up and manually operate the AKV box fillers. The display will also keep you fully informed about the different stages of the operation.

## MULTIFUNCTIONAL USAGE



As an accessory to the AKV box fillers we can supply the RT 30 elevator. Due to the steplessly adjustable height adjustment you can maintain fall heights at a minimum at all times. The combination of the RT 30 with the AKV is used frequently in all kinds of crops.

# WHY ARE YOU BETTER OFF WITH A MIEDEMA BOX TIPPER:

## Particularly product-friendly:

- Buffer belt with automatic capacity control
- Rubber baffle plate for soft landing on buffer belt

## Outstanding ease of use:

- Automatic start
- Hydraulic lifting platform
- Spring loaded reception bar securing the box
- Boxes handled with care
- 100% emptying through safe shake out and extreme tipping angle

## PARTICULARLY PRODUCT-FRIENDLY



The buffer belt ensures a regular flow onto the storing line. An ultrasonic sensor continuously measures the quantity of product present on the buffer belt. In accordance to the capacity you have set, the AKL will tip the box over further while adjusting the moving speed of the belt automatically in relation to the actual product stream.



By supporting the crop flow over the full width of the box by means of the crop guide, the automatic speed control maintains a continuous stream, which keeps the potatoes from rolling and prevents damaging of the potatoes.

## OUTSTANDING EASE OF USE



Two hydraulic cylinders lift the platform.



As soon as a box is placed on the platform, it will be secured and lifted automatically. The quantity of potatoes on the belt determines the tipping speed. A spring loaded bar secures the box without damaging it.





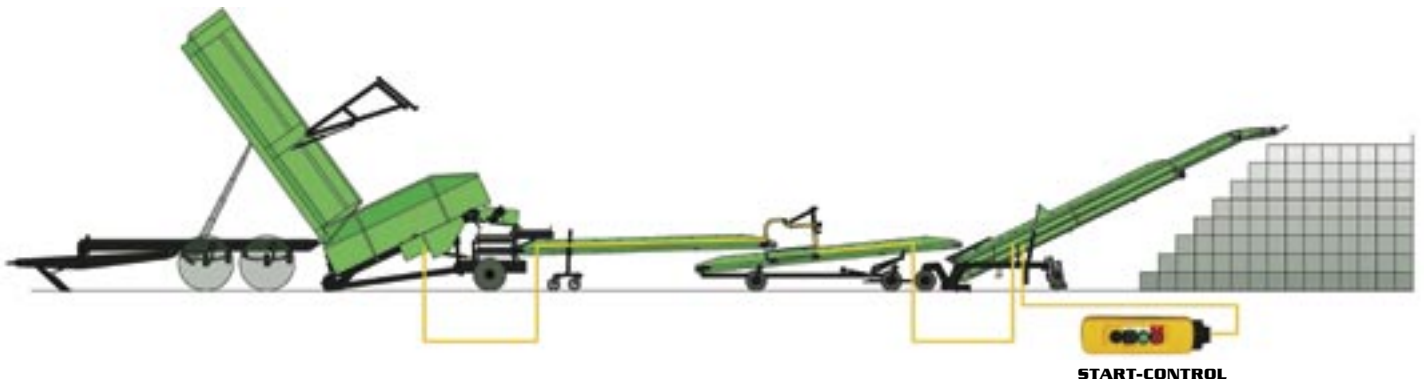
The Miedema AKL consists of three parts: the tipper, the buffer belt and the troughed discharge belt. All three are well adjusted to each other and can be separated and displaced individually without difficulty.



There are three different executions of the AKL box fillers ranging from 2 to 2.60 meters in working width. The latter is also suitable for receiving large boxes or two boxes simultaneously.



With a simple pin you can adjust the tension of the reception bar according to the dimensions of the box. This gives you the triple advantage of maximum flexibility, ample space to load the boxes, and tight securing of the boxes during emptying.



## 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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