

# **LBV STORE LOADERS TAT/HAT TELESCOPIC CONVEYORS**

Storing with minimal drop



**Miedema**

# WHY ARE YOU BETTER OFF WITH A MIEDEMA STORE LOADER:

## Particularly product-friendly:

- LBV Comfort and LBV Control terrace filling with air balloon limitation device
- Nodding top lowers automatically down to the ground

## High capacity:

- Large conveyor width, trough shaped fully roller supported belt with V-shaped cleats
- Long reach
- Load-Control capacity command

## Outstanding ease of use:

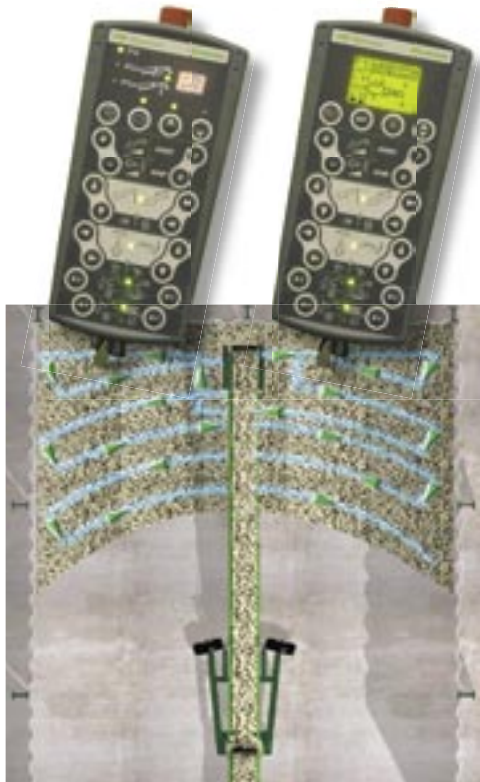
- Reliable LBV-TAT coupling for maximum manoeuvrability
- Wireless remote control for all functions
- Removable steering wheel
- Hydraulically controlled steer and drive system for rapid transportation
- Integrated cables for power supply and Start-Control
- Start/Stop function controlling the complete storing line

## PARTICULARLY PRODUCT-FRIENDLY

All models are fitted with balloon limitation. Slewing direction is reversed at the moment a balloon touches a side of the store. Very practical is the feature that the slewing angle increases automatically when the LBV retracts. When needed poles can be used to adjust the maximum slewing angle accurately.



LBV-Comfort (option) is a semi-automatic control. It lets the LBV store loaders slew only at the moment an ultra sonic sensor detects product. The belt does not slew inanely from left to right, but carefully builds each part of a layer before the machine continues slewing. This results in less movements and a more uniform storage.



The LBV-Control (option) commands the completely automated process: the slewing movements, the retraction, and the extension of the store loader. You do not have to look round any longer.



LBV store loaders slew between the wheels and can lower the belt fully to the ground. When extending the short nodding top lowers. In this way the drop is minimal.



## HIGH CAPACITY



The trough shaped belt ensures a high capacity at a rather low belt speed. The PVC belt is equipped with flights suitable for grain and is fully supported by rollers which are part of the frame. The endless belt with stitched joiner is resistant against extreme high belt tension. This prevents slip and increases capacity.



Because the reach in front of the wheels is 75% of the total length, the LBV has a very large operation area. By consequence the instore line needs to be moved less frequently.



The Load-Control (option) commands the belt speed and ensures a constant crop flow. This results in a uniform layer thickness on the belt and a better distribution of the product in the store.

## OUTSTANDING EASE OF USE



Thanks to the special TAT-LBV connection (option), the fall height at the linkage point between the TAT conveyor and the LBV store loader remains the same. Also when displacing the storing line, when adjusting the height or when adjusting the swivelling area.



All the functions of the store loader can be operated with the standard remote control. It even starts and stops the complete store line, with one push on the button. When the machine is swivelling in automatic mode, you can always adjust the movements during the process. In operation you will appreciate this very practical feature.



The removable support wheel lifts the LBV store loader which permits to move it around quickly.



By simply taking off one pin the support wheel can be detached.

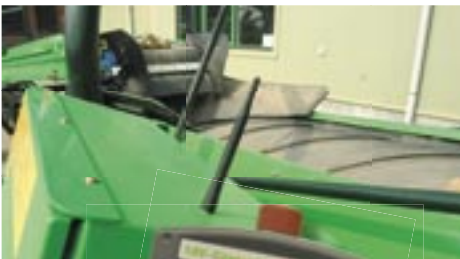


With the remote control you can activate the hydraulic cylinder to turn the wheels from swivelling in to transport position and vice versa.



The stable and safe support foot acts as turning point when the LBV is swivelling.

## OPTIONS



The wireless remote control allows you to move around freely in the store or in the court yard, and offers many practical features. To be ordered in combination with the LBV-Comfort and the LBV-Control.



A VVB lorry filling extension can be fitted to the store loader. The conveyor can operate up to an angle of 60 degrees and reduces the drop to the absolute minimum.



For frequent road transport a fixed drawbar can be mounted on the support wheel. This increases manoeuvrability in the store as well.



Electrical steering wheels are driven on a constant swivelling speed independently of the length of the telescopic belt.



# WHY ARE YOU BETTER OFF WITH A MIEDEMA TAT/HAT CONVEYOR:

## Particularly product-friendly:

- Minimum fall between conveyors
- Product-friendly rubbers guiding the flow
- Trough shaped belts

## High capacity:

- Large conveyor width

## Outstanding ease of use:

- Easy to extend and retract (TAT)
- Hydraulic height adjustment
- Integrated cable for power supply and Start-Control
- Double wheels for ease of movement

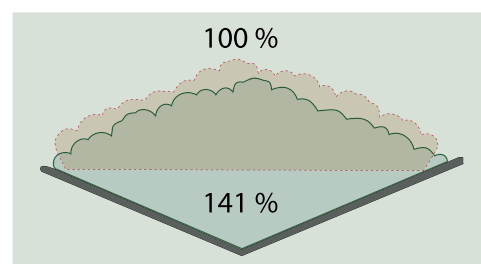
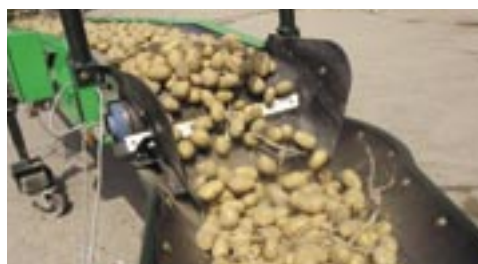
## Excellent durability:

- Belt completely supported by rollers
- Strong power chain protecting the cables

## Multifunctional usage:

- Modular construction allowing extensions with other TAT/HAT conveyors
- Also usable as picking-off belt

## PARTICULARLY PRODUCT-FRIENDLY AT HIGH CAPACITY



A rubber flap supports the crop and guides at the same time the crop stream in the most product-friendly way. Fall heights are thus brought back to a minimum while maintaining optimal capacity.

The difference in capacity is considerable: over 40% more capacity with a troughed belt. The belt can therefore work at a lower speed, which reduces the risk of damage to the product to a minimum.



Special guide rubbers on the sides prevent clogging and help to create a steady crop flow.



A conveyor that is properly filled up reduces damages to the product and offers high output even at low working speed.

## OUTSTANDING EASE OF USE



Easy to extend and retract by means of a crank assembly.



With the hydraulic height adjustment the TAT conveyor can discharge up to a height of 165 cm. High enough to even fill boxes.



Integration of all cables of the line puts an end to the hazardous and elaborate practise of loose cables lying around. The connectors for 380V power supply and Start-Control are placed conveniently at the head side...



...at the side of the discharge end of the conveyor you will find the connectors for the box filler. This way the complete storing line can be moved around easily and the risk of power supply failures caused by braking cables is excluded.



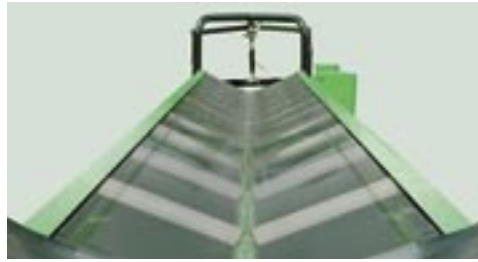
Miedema fits double swivelling wheel sets that keep maximum contact to the ground. This is extremely convenient when displacing the TAT-LBV combination.



To move the TAT smoothly around on uneven surfaces we offer pneumatic tyres (option) and a steering rod (option). By simply removing the pin, the wheels can pivot.



## EXCELLENT DURABILITY



The endless trough shaped belt can work on two speeds. It is fully supported by rollers, the first and last set of rollers are made of steel, since these rollers are more heavily loaded. TAT conveyors are built for a long and demanding life.

A strong power chain protects the supply cables for many years against damages when retracting and extending the TAT.

## MULTIFUNCTIONAL USAGE



The HAT conveyor has only one belt. It has all strong features that you will appreciate on the telescopic TAT. The different machines can be easily combined in many configurations.

The TAT/HAT conveyor can be used as a picking-off belt; a belt levelling kit (option) with additional rollers can be fitted quickly.



The TAT conveyor drawbar eye permits simple coupling to the HST tipping trailer for road transport.





## 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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