



Soil
cultivation



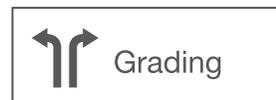
Planting



Harvesting



Storage



Grading

MC BELT CONVEYORS
ML STORE LOADERS
ME ELEVATOR CONVEYORS

dewulf
enjoy growing

PRODUCT-FRIENDLY TRANSPORT AND STORAGE

Dewulf has many years of experience with the transport of potatoes. The quality of our belt conveyors has been achieved by working closely with our end users. As a result, our belt conveyors and store loaders provide maximum capacity, an efficient product flow and

less risk of damage. At Dewulf, our strength lies in simplicity. This makes our machines absolutely reliable and practically indestructible.



USER FRIENDLY

Since their introduction, Miedema belt conveyors and store loaders have enjoyed an ever-growing group of enthusiastic users. The machines are equipped with numerous unique features that make them user-friendly. Enjoyable operation often results from hidden details, such as neatly concealed cables and completely maintenance-free drum motors with thermal overload protection.

SAFETY AND CONVENIENCE

Dewulf has created an intelligent system called Start-Control that interconnects all the Miedema storage machines. This allows you to start the entire storage line with the remote control for the store loader. First the store loader / box filler starts, then the belt conveyor and finally the receiving hopper. As soon as the receiving hopper is empty, all the machines in the storage line will stop simultaneously. Similarly, when

an emergency stop is pressed on any machine in the chain, all the machines stop immediately. With the ingenious Start-Control, optimal filling of all the belt conveyors is ensured, to minimise product damage and prevent spikes in electrical current draw. Besides ease of use, it also allows you to fill the store in the most economical way every time.

MC BELT CONVEYORS

CONTROL BOX

Convenient operation from either side is the defining feature of the centrally located control box.

FARMER

All the MC belt conveyor models are available in a Farmer version. This is a basic version that meets the highest quality requirements yet lacks the advanced features of the regular version. The Farmer version has two fixed belt speeds (21/42 m/min).

TROUGHED CONVEYOR BELT

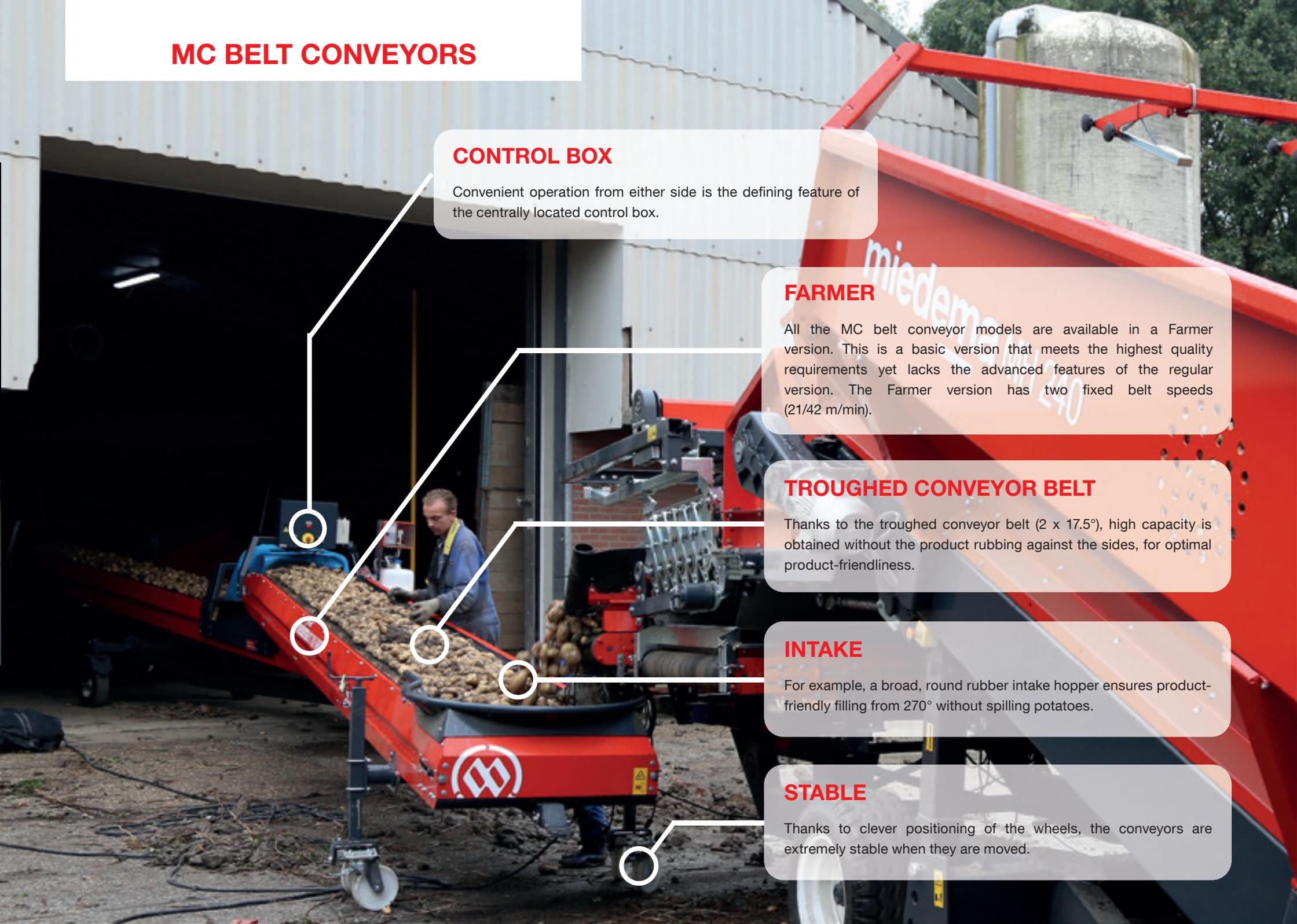
Thanks to the troughed conveyor belt (2 x 17.5°), high capacity is obtained without the product rubbing against the sides, for optimal product-friendliness.

INTAKE

For example, a broad, round rubber intake hopper ensures product-friendly filling from 270° without spilling potatoes.

STABLE

Thanks to clever positioning of the wheels, the conveyors are extremely stable when they are moved.



80 CM WIDE SINGLE BELT CONVEYORS

The MC 80 single belt conveyors use an 80 cm wide troughed conveyor belt that has a capacity of more than 120 tonnes/h at a belt speed of 42 m/min. The single belt conveyors are available in 7, 9, 10 and 12 metre lengths. With their narrow construction and the optional integrated flattening set, the transport conveyors can also be used as a sorting table.



80 CM WIDE DUO BELT CONVEYORS

The MC 80 duo belt conveyors have a high-performance 80 cm wide troughed conveyor belt and are available in 13, 17 and 20 metre lengths. The MC duo belt conveyor uses a wide, sturdy energy chain, and even the basic version is a complete, fully satisfactory machine.

TECHNICAL SPECIFICATIONS	MC 780 S	MC 980 S	MC 1080 S	MC 1280 S
Length [cm]	704	904	1054	1204
Total width [cm]	150	150	150	150
Minimum intake height [cm]	85	85	85	85
Minimum discharge height [cm]	40	40	40	40
Maximum discharge height [cm]	98	98	98	98
Belt speed, Farmer (2 speeds) [m/min]	21/42	21/42	21/42	21/42
Belt speed, variable [m/min]	20-72	20-72	20-72	20-72

TECHNICAL SPECIFICATIONS	MC 1380	MC 1780	MC 2080
Minimum length [cm]	840	1040	1240
Maximum length [cm]	1340	1740	2040
Total width [cm]	152	162	162
Minimum intake height [cm]	80	80	80
Minimum discharge height [cm]	82	82	82
Maximum discharge height [cm]	224	220	234
Belt speed, Farmer (2 speeds) [m/min]	21/42	21/42	21/42
Belt speed, variable [m/min]	20-72	20-72	20-72

OPTIONS



INTEGRATED FLATTENING SET

For easy inspection of the product, the belt conveyors can be equipped with a flattening set that evenly distributes the product across the entire width of the conveyor belt.



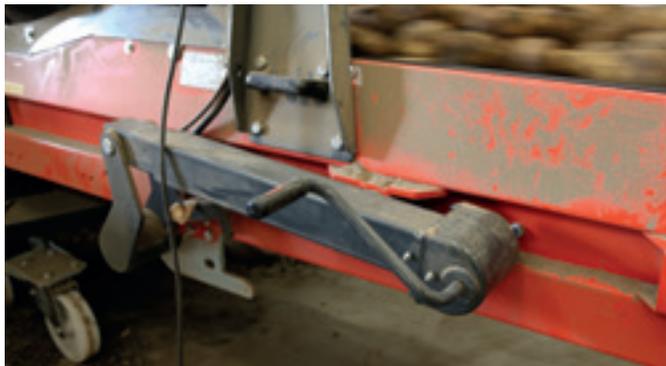
INSPECTION LIGHTING SET

The inspection lighting set provides the right lighting level at the product inspection location on the belt conveyor.



SWIVEL WHEELS WITH AIR TYRES

If you do not have a hard ground surface to place the duo belt conveyors on, air tyres are the solution. They allow you to move the duo belt conveyors with little effort. If desired, these can also be coupled with a steering rod.



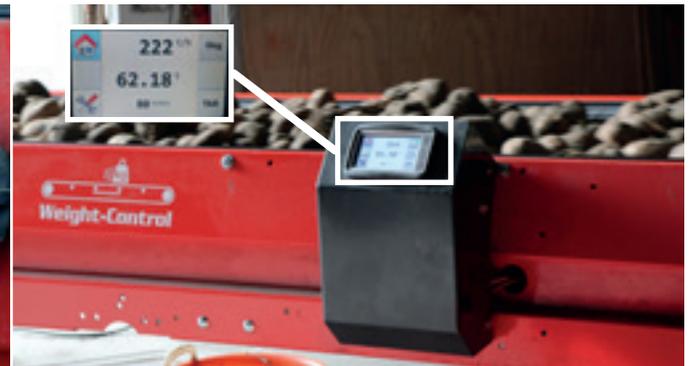
COMFORT CHASSIS (MC DUO)

A single jack with crank allows easy adjustment of both wheel sets when the intake height needs to be changed.



MOTION PACKAGE (MC DUO)

The 'Motion Package' allows you to move your MC duo belt conveyor very easily. It consists of hydraulic wheel drive, wheel steering and discharge height adjustment. Everything can be operated via a wired remote control.



WEIGHT-CONTROL

The MC can be equipped with a unique weighing device with an accuracy of >99.5%. The provided data can be very helpful for use in precision agriculture, for example. Via Weight-Control you have an overview of hourly capacity and current belt speed.

ML STORE LOADERS

BELT CONVEYOR END

The top of the store loader has a nodding section for filling of storage buildings or trucks. This feature can be easily enabled and disabled with hooks. The small diameter of the return roller ensures a minimum drop height.

CONVEYOR BELT

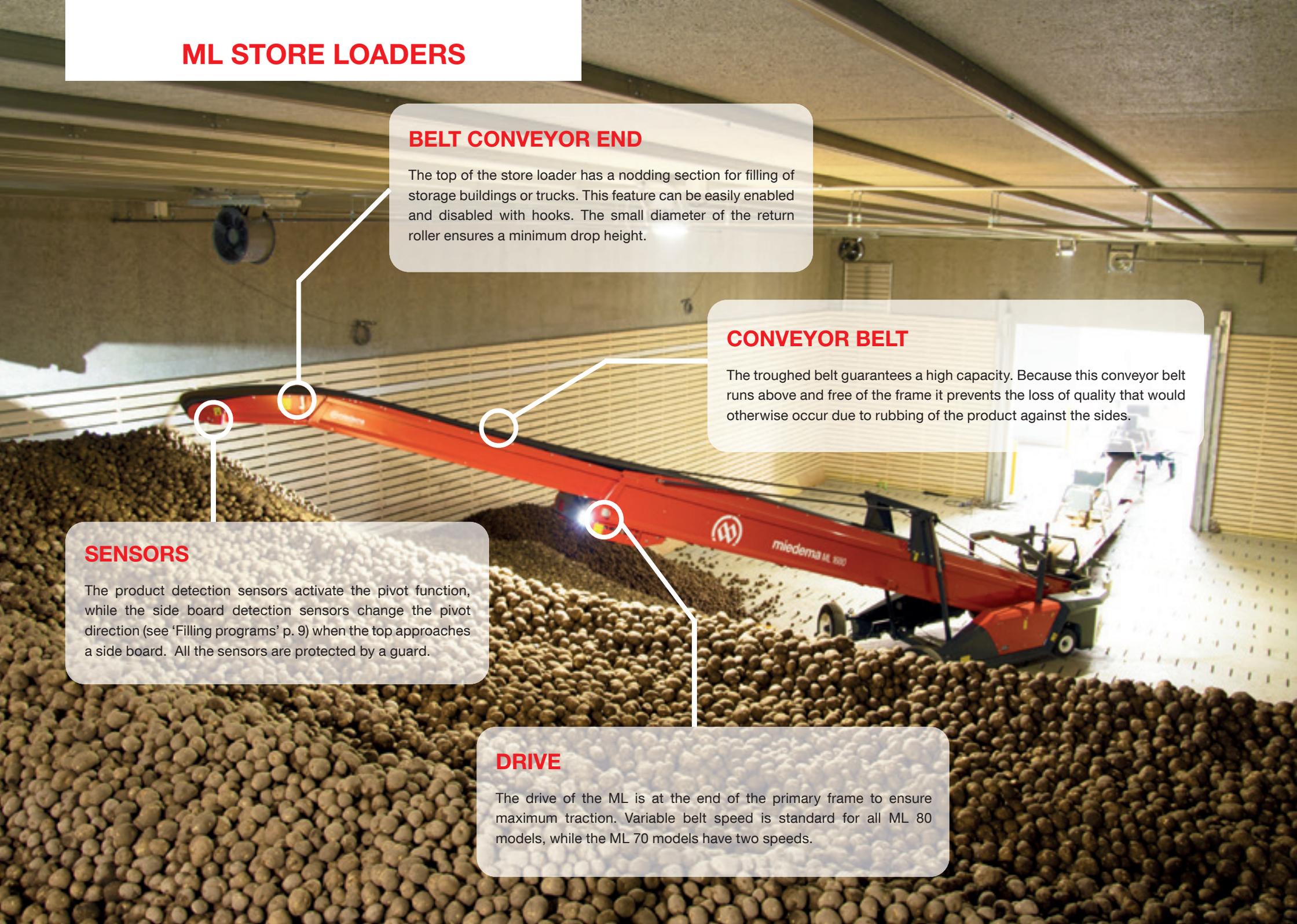
The troughed belt guarantees a high capacity. Because this conveyor belt runs above and free of the frame it prevents the loss of quality that would otherwise occur due to rubbing of the product against the sides.

SENSORS

The product detection sensors activate the pivot function, while the side board detection sensors change the pivot direction (see 'Filling programs' p. 9) when the top approaches a side board. All the sensors are protected by a guard.

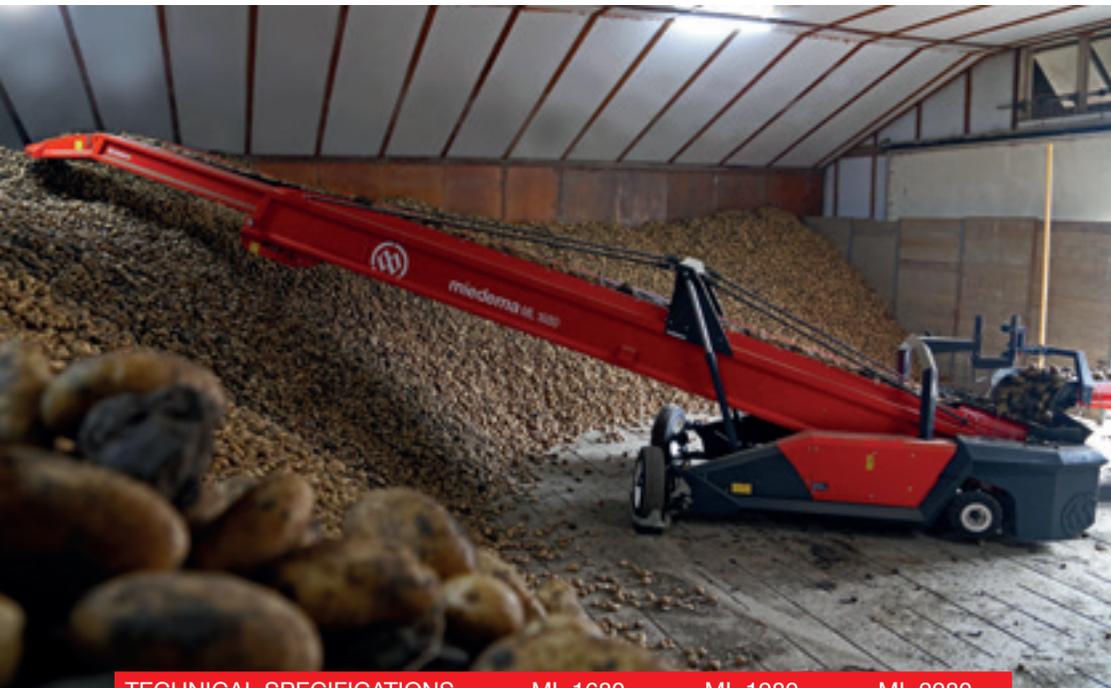
DRIVE

The drive of the ML is at the end of the primary frame to ensure maximum traction. Variable belt speed is standard for all ML 80 models, while the ML 70 models have two speeds.



80 CM WIDE STORE LOADERS

The ML 80 store loaders have an 80 cm wide, deep troughed conveyor belt with which a capacity of more than 180 tonnes/h can be achieved. The store loaders are available in 16, 19 and 22 metre lengths and can be fully customised to meet your specific needs by choosing one of the four different filling programs: Farmer, Comfort, Dynamic and Premium. Switching between the working and transport position is achieved with the simple press of a button.



70 CM WIDE STORE LOADERS

The ML 70 series store loaders feature a 70 cm wide, deep troughed belt with a high capacity of more than 130 tonnes/h at a product-friendly conveyor belt speed. The store loaders are available in 13 and 16 metre lengths. Thanks in part to the choice of three possible filling programs – Farmer, Comfort and Comfort+ – you can configure them entirely to your specific needs.

TECHNICAL SPECIFICATIONS	ML 1680	ML 1980	ML 2280
Minimum length [cm]	972	1122	1272
Maximum length [cm]	1619	1919	2190
Minimum overhang [cm]	437	525	691
Maximum overhang [cm]	1176	1407	1610
Total width min./max. [cm]	267/284,9	267/284,9	267/284,9
Minimum discharge height [cm]	60	80	80
Belt speed, variable [m/min]	23-91	23-91	23-91

TECHNICAL SPECIFICATIONS	ML 1370	ML 1670
Minimum length [cm]	780	970
Maximum length [cm]	1270	1576
Minimum overhang [cm]	363	412
Maximum overhang [cm]	915	1135
Total width min./max. [cm]	242/295	242/295
Minimum discharge height [cm]	35	35
Belt speed, Farmer (2 speeds) [m/min]	30/60	30/60
Belt speed, variable Comfort & Comfort+ [m/min]	24-96	24-96

OPTIONS



CONNECTING PIECE (ML 80 & 70)

A connecting piece (for MC and TAT) connects the feed conveyor to the ML, preventing product spillage. The product always lands in the centre of the ML, regardless of the inclination angle.



X-STREAM

An additional, short, flat feed belt at the intake end of the ML provides extra product-friendly transport at a higher capacity (up to an additional 15% at the same belt speed). The X-stream can be added to a machine at any time.



WIRELESS REMOTE CONTROL (ML 80 & 70)

How you choose to fill the store is entirely up to you: manually controlled or fully automatic terraced filling. A wireless remote control gives you exceptional flexibility for manually controlled filling.



CONVEYOR BELTS (ML 80)

The conveyor belts are available in PVC or rubber. Oil- and grease-resistant PVC belts are available as an option.



PIVOT LIMITATION BY POLES

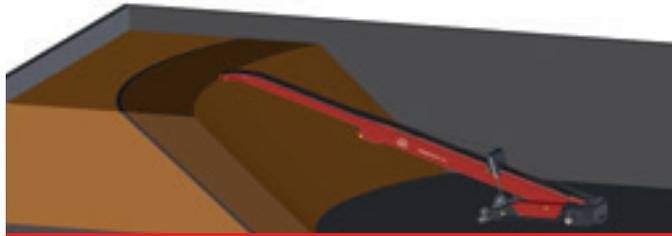
The pivot limitation poles interrupt an IR light beam so that the store loader changes direction.



LED WORK LIGHT

Thanks to a LED work light at the bottom of the primary frame, there is sufficient light even at height while filling the store.

ML 70 FILLING PROGRAMS



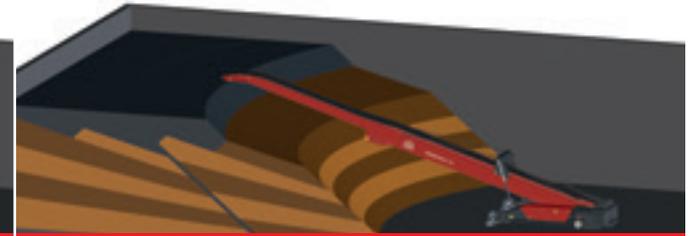
ML 70 FARMER

The Farmer filling program pivots automatically (fixed pivot speed) but requires manual retraction and raising.



ML 70 COMFORT

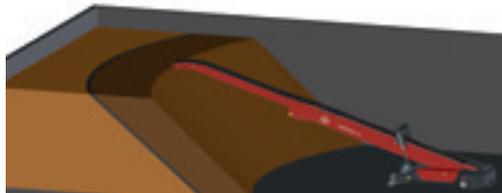
The Comfort filling program can automatically pivot, while retraction and raising are done based on product detection. Starting a new terrace must be done manually.



ML 70 COMFORT+

The Comfort+ filling program can automatically pivot, retract and raise based on product detection. If desired, the fill height can be maintained automatically (only for the last terrace). This filling function can also be used for filling big bags.

ML 80 FILLING PROGRAMS



ML 80 FARMER

The Farmer filling program pivots automatically (fixed pivot speed) but requires manual retraction and raising. The machine has side board detection, which means the machine automatically pivots back when a side board is detected.



ML 80 COMFORT

The Comfort filling program can automatically pivot, while retraction and raising are done based on product detection. Starting a new terrace must be done manually. The machine has side board detection, which means the machine automatically pivots back when a side board is detected.



ML 80 DYNAMIC

The Dynamic filling function is also suitable for manual filling in terraces and includes the additional features 'Top-Fill', inclination angle capacity compensation and virtual side boards. Top-Fill keeps the ML at a constant height when filling the last layer. You can also choose to use virtually set side boards or virtual poles (pivot limitation).



ML 80 PREMIUM

The Premium filling function combines the best of the Comfort and Dynamic filling functions. The various layers are filled fully automatically, without manual intervention.

ME ELEVATOR CONVEYORS

TROUGHED CONVEYOR BELT

Thanks to the troughed conveyor belt (35°), high capacity is obtained without the product rubbing against the sides.

INTAKE

A broad, rubber intake hopper ensures product-friendly filling from 270° without spilling potatoes.

FIXED NOD

Product-friendly discharge is guaranteed by a gradual transition from troughed to flat in the nod.

ME BUFFER CONTROL

If you opt for variable belt speed, the ME conveyor can be used as an extra buffer (ME slows down when the MB 111 or MB 111 Xtreme takes a new box).

ME 80

The ME 80 elevator conveyors have an 80 cm wide, deep troughed conveyor belt with which a capacity of more than 160 tonnes/h can be achieved. The ME 80 has a length of 80 cm and can be used to fill your store or to transport waste from your receiving hopper.



ME 100

The ME 100 elevator conveyors have an 80 cm wide, deep troughed conveyor belt with which a capacity of more than 160 tonnes/h can be achieved. The ME 100 has a length of 100 cm and can be used to fill your store or to transport waste from your receiving hopper.

TECHNICAL SPECIFICATIONS	ME 80
Length [cm]	80
Minimum discharge height [cm]	70
Maximum discharge height [cm]	370
Belt speed [m/min]	26 or 52
Belt speed, variable [m/min]	24 to 84

TECHNICAL SPECIFICATIONS	ME 100
Length [cm]	100
Minimum discharge height [cm]	87
Maximum discharge height [cm]	483
Belt speed [m/min]	26 or 52
Belt speed, variable [m/min]	24 to 84



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