



SCORPIO

CRATE FILLER

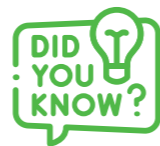
The Scorpio's basic features can be expanded with a convenient supply belt. This supply belt offers two big advantages:

Buffer capacity

The supply belt offers more space, which can be used for buffering. This means that more product can be buffered when switching from one crate to another, allowing a higher capacity to be achieved.

180° supply

The position of the supply belt creates a much wider angle to accommodate the flow of product: from -90° to +90°. This also allows the crate filler to be placed against a wall, thus minimizing the space it takes up.

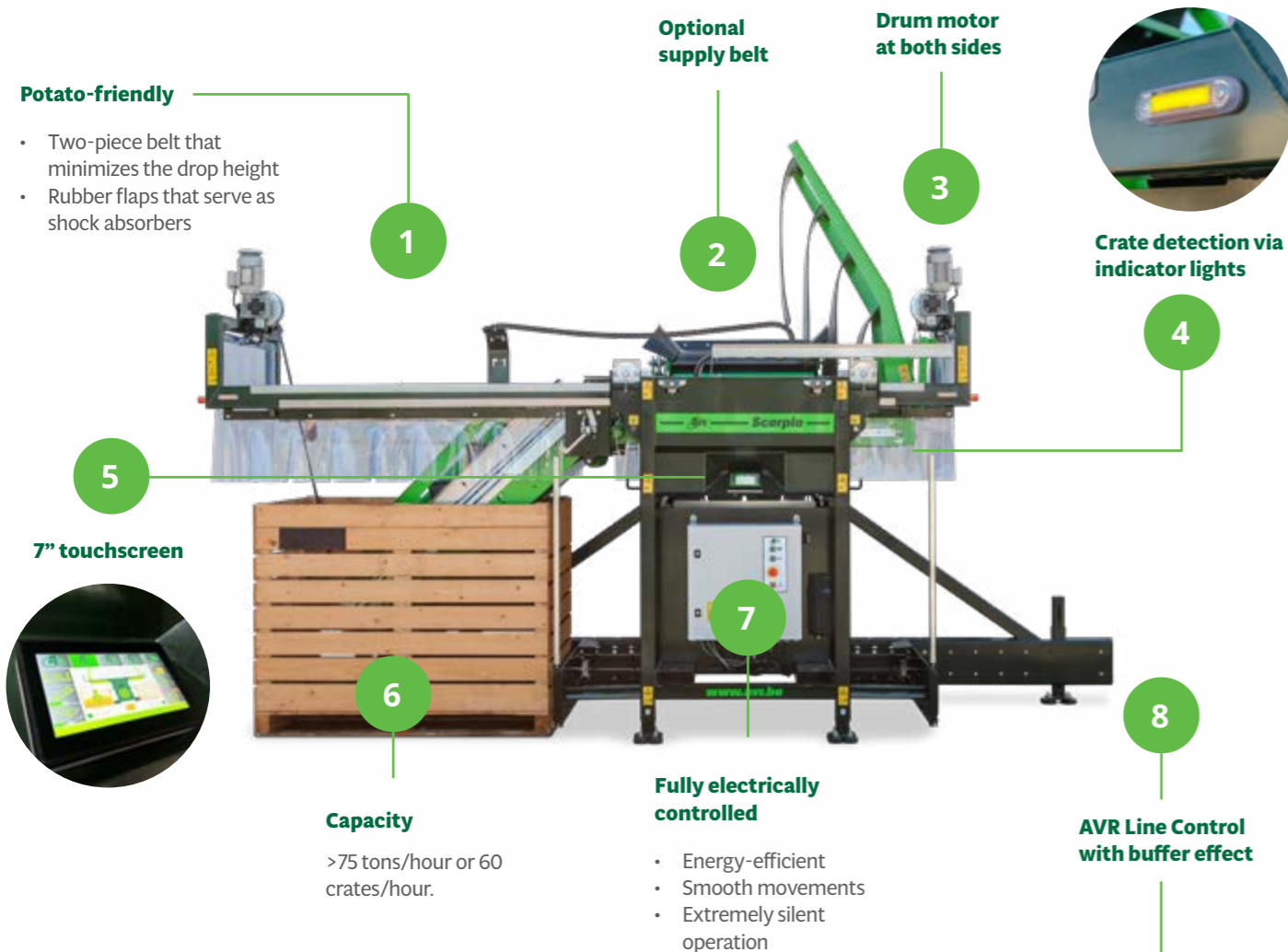


The capacity offered by Scorpio equals that of one experienced forklift driver. In other words: it delivers one filled crate every minute.

Potato-friendly

- Two-piece belt that minimizes the drop height
- Rubber flaps that serve as shock absorbers

7" touchscreen



Capacity

>75 tons/hour or 60 crates/hour.

Fully electrically controlled

- Energy-efficient
- Smooth movements
- Extremely silent operation

AVR Line Control with buffer effect

The installation of AVR Line Control software allows the Scorpio crate filler to communicate with all other AVR machines in the crop handling line. The entire line comes to a halt, for example, when both crates are full, and will automatically restart as soon as an empty crate is put in position and the main belt has reached the bottom of the empty crate.

If one crate is full and the other is empty, the crate filler will stop while the rest of the line and the AVR Line Control remains active. At that point in time, the crate filler will buffer some product on the belt and switch to the empty crate. This allows smooth switching from one crate to another, without impacting the capacity of the crop handling line.

The buffer effect can also be expanded to the Mamba conveyor via AVR Line Control, for example, in order to optimize capacity.

The AVR Scorpio crate filler completes the AVR crop handling range and reflects its identity by combining user-friendliness with capacity and gentleness in product handling.

Potato-friendly

The moving main belt is composed of two elements, with an inflection point in the middle. As a result, the separate elements are longer than that of most other models on the market. This guarantees low drop heights while ensuring that the potatoes are gently guided into the crate via a gradient that is not too steep. The limited inclination renders a belt with a profile superfluous, while the simple addition of a scraper is enough to prevent the accumulation of dirt.

The main belt is driven on both sides by a drum motor for optimal and equal traction in both directions. This allows drum motors that are quite small in diameter to be used - which minimizes drop heights - while ensuring a large enough contact surface to prevent slipping.

Looking for even more protection? The rubber flaps on the main belt curb the speed at which the flow of potatoes slides downwards.

Frequency controller

Want to increase your capacity or improve product protection? Thanks to the frequency regulator, the belt speed can be infinitely adjusted from 12 to 42 meters per minute, instead of the standard belt speed of 30 meters per minute.

Other convenient add-ons include an additional switched power outlet and LED working lights.

User-friendly & pleasant to use

The crate filler is very easy to operate via the buttons on the electrical control box and the intuitive 7" touchscreen. Thanks to the fully electrical control system, the Scorpio is energy-efficient and remarkably quiet, and can be operated very smoothly.

Thanks to the various sensors - including the sensors that determine the position of the belt and a laser sensor that continuously monitors the product level in the crate - crates are automatically filled from the bottom to the top, with minimal drop heights during the entire process.

Flexibility

The Scorpio can fill crates in just about all conventional dimensions. This is because the frame height and the crate position are adjustable. The indicator light allows the forklift driver to easily see if the crate has been positioned correctly.



Length transport mode - max. in work mode (m)	4.41 - 6.33
Height transport mode - max. in work mode (m)	2.60 - 3.48
Width transport mode (with supply belt) - max. in work mode (m)	1.57 (2.40) - 2.61
Crate width (m)	min. 0.90*
Crate length (m)	1.60 - 2.40*
Capacity	60 crates/hour** or 75 tons/hour

* Interior dimensions

** For crates 1.60 m wide



SOIL CULTIVATORS



POTATO PLANTERS



HAULM TOPPERS



HARVESTERS



CROP HANDLING