

Egg Packing

# Farmpackers

We handle your eggs with care. Gentle, simple, durable egg handling.





## 65 Years of Egg Packing Experience

In 1968, we developed and supplied our first farmpacker. Since then our focus has been to make sure that farmers around the world are able to pack their eggs in the smoothest and most trouble-free way. We know the challenges of a rough environment and the importance of having a reliable, easy-to-maintain packing machine.

We offer innovative, high quality and high performing farmpackers with a capacity range of 40 to 200 cases/hour.

The high reliability is derived from experienced engineering and our explicit use of high quality materials. As an example, we use a minimum of plastic parts to avoid the frequent replacement of egg holders and other wearable parts. This simple technical solutions enable you to maintain the machine without any special tools or knowledge.

| FARMPACKER                        | 40                                  | 70                                  | 100                                  | 200                                  | 24000                               |
|-----------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|
| Maximum capacity                  | 14,400 eggs/hour<br>(40 cases/hour) | 25,200 eggs/hour<br>(70 cases/hour) | 36,000 eggs/hour<br>(100 cases/hour) | 72,000 eggs/hour<br>(200 cases/hour) | 24,000 eggs/hour<br>(67 cases/hour) |
| Accumulator extension             | Optional                            | Optional                            | Optional                             | Optional                             | Optional                            |
| Detachable Accumulator for COP*   | -                                   | ✓                                   | ✓                                    | ✓                                    | -                                   |
| Detachable Rollers for COP*       | -                                   | ✓                                   | ✓                                    | ✓                                    | -                                   |
| Egg counter                       | Optional                            | Optional                            |                                      |                                      |                                     |
| Controls                          | Buttons                             | Buttons                             | Touchscreen                          | Touchscreen                          | Buttons                             |
| Traystacker SX40                  | Optional                            | Optional                            | Optional                             | Optional                             | Optional                            |
| Tray type: 5X6 (Pulp and Plastic) |                                     |                                     |                                      |                                      |                                     |
| Traystacker SX20                  | Optional                            | Optional                            | -                                    | -                                    | Optional                            |
| Tray type: 5X6 (Only Plastic)     |                                     |                                     |                                      |                                      |                                     |

\*Cleaning out of place



With focus on low maintenance, reliability, easy cleaning and gentle egg handling, our range of compact and space-efficient machines provides you with flexible and efficient production facilities.



# Packing families optimized to your needs

No matter if your need is for a small- or large-scale packing solution, you are in safe hands with SANOVO TECHNOLOGY GROUP. Our range of packing machines covers a variety of compact and space-efficient machines that will provide the flexibility needed in your daily production.

The Farmpackers are designed for easy use so you can focus on getting your eggs packed. Available in sizes from 40 to 200 cases/hour, the machines are designed to meet all your requirements for efficient and fast “point down” packing.



## **PERFORMANCE**

Performance stays at its highest level as the machines are made to run every day with minimal service to maintain 100% uptime.

Stainless steel parts are used everywhere possible and the machines are designed for easy cleaning.



## **LOW MAINTENANCE**

The Farmpackers are designed with your farm environment in mind. Simple, robust, reliable and flexible. Maximum uptime – 100% correct packing – easy to maintain.

Wherever possible, we have used standard parts throughout the entire the entire product range. Components like rollers and conveyors which are often available locally available, contribute to reducing your operational costs and potential downtime.



Watch  
movie

## EASY TO OPERATE

Every Farmpacker is created with the guiding principle that they should be easy to use, so you can focus on getting your eggs packed and spend less time figuring out how to maintain equipment, determining replacement parts and worrying about uptime.

Even if you've never owned a Farmpacker before, the chances are you will know it inside out in no time.

## 2 YEARS WARRANTY

SANOVO TECHNOLOGY GROUP's definition of quality is based on an understanding of customer needs, where demands of performance, uptime and reliability of equipment are never compromised.

Starting at production conception through to manufacturing via quality control, in-house testing and product distribution all the way to after-sales service, SANOVO TECHNOLOGY GROUP offers the customer much more than simply a machine – you also benefit from a superior level of overall company support.

# Farmpacker 40



**1 Point down**

Individual egg handling, with soft materials and minimum drop height, ensuring perfect point down filling of the trays

**2 Accumulator**

Equipped with pressure control to ensure optimum regulation towards packing position.

**3 Denester**

Automatic feeding of single trays to the packing position. Easy to adapt to different tray types and equipped with missing tray detector accompanied by high buffer capacity.

**4 Simple control**

Easy to use control. One button for on/off switching, checking or adjusting. Standard provision of an emergency stop button.

**5 Easy snap-on, snap-off roller**

Spring loaded easily detachable snap-on/ snap-off roller for easy cleaning.

**6 Safety**

When opening the covers during operation, the whole machine will stop automatically.

**7 Less moving parts**

Simple in its design, with as few moving parts as possible, using natural flow and gravity to move eggs.

**8 Take away conveyor**

For buffering up to 6 full trays. Equipped with pressure control for comfort.



14,400 eggs/hour  
(40 cases/hour)



Open layout



Play video



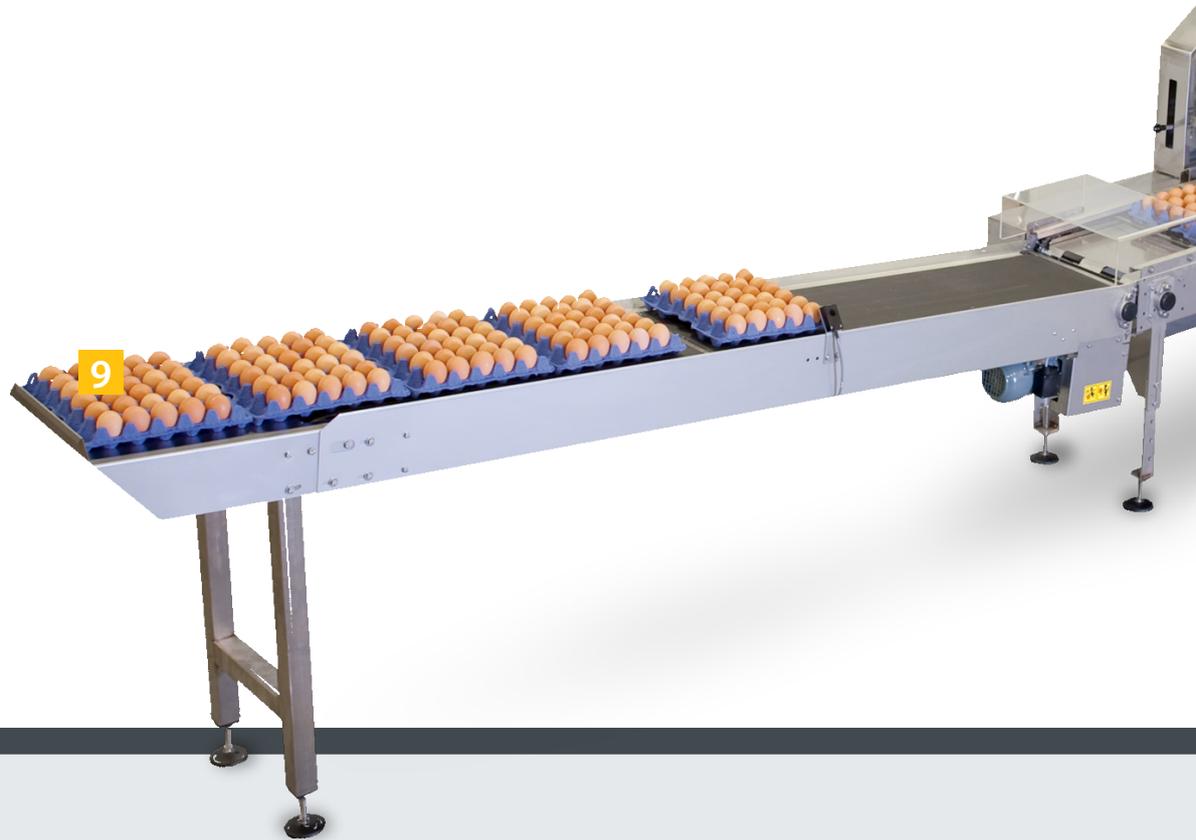
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**TECHNICAL DATA**

|                        |                                        |
|------------------------|----------------------------------------|
| Max capacity:          | 40 cases/hour (14,400 eggs/hour)       |
| Installation anywhere: | 5.4 m <sup>2</sup>                     |
| Energy:                | 0.3 kVA                                |
| Power supply:          | 230 V-0-ground, 1.0-phase-AC, 50/60 Hz |



# Farmpacker 70



## 1 Point down

Individual egg handling, with soft materials and minimum drop height, ensuring perfect point down filling of the trays.

## 2 Accumulator

Equipped with pressure control to ensure optimum regulation towards packing position.

## 3 Detachable accumulator

Detachable for easy cleaning. Equipped with pressure control to ensure optimum regulation towards packing position.

## 4 Denester

Automatic feeding of single trays to the packing position. Easy to adapt to different tray types and equipped with missing tray detector accompanied by high buffer capacity.

## 5 Simple control

Easy to use control. One button for on/off switching, checking or adjusting. Standard provision of an emergency stop button.

## 6 Detachable rollers

Spring loaded easily detachable snap-on/ snap-off rollers for easy cleaning.

## 7 Safety

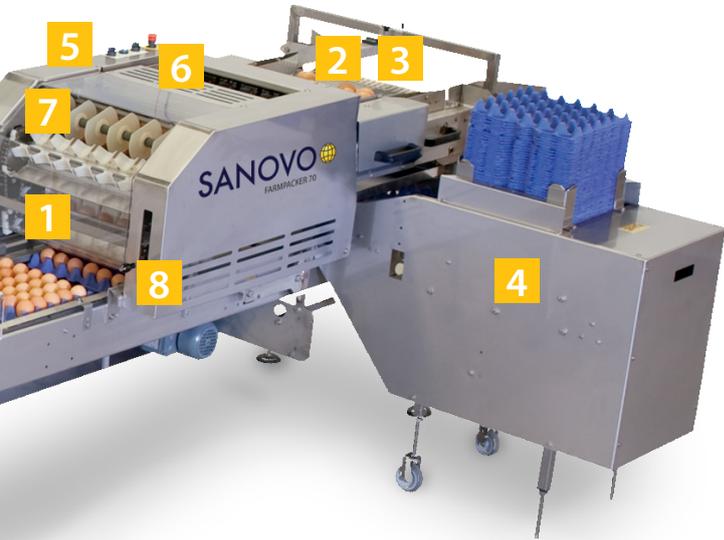
When opening the covers during operation, the whole machine will stop automatically.

## 8 Less moving parts

Simple in its design, with as few moving parts as possible, using natural flow and gravity to move eggs.

## 9 Take away conveyor

For buffering up to 6 full trays. Equipped with pressure control for comfort.



25,200 eggs/hour  
(70 cases/hour)



Open layout



Play video



Go to website

**TECHNICAL DATA**

|                        |                                        |
|------------------------|----------------------------------------|
| Max capacity:          | 70 cases/hour (25,200 eggs/hour)       |
| Installation anywhere: | 7 m2                                   |
| Energy:                | 1.2 kVA                                |
| Power supply:          | 230 V-0-ground, 1.0-phase-AC, 50/60 Hz |



# Farmpacker 100



## 1 Point down

Individual egg handling, with soft materials and minimum drop height, ensuring perfect point down filling of the trays.

## 2 Detachable accumulator

Detachable for easy cleaning. Equipped with pressure control to ensure optimum regulation towards packing position.

## 3 Denester

Automatic feeding of single trays to the packing position. Easy to adapt to different tray types and equipped with missing tray detector accompanied by high buffer capacity.

## 4 Drop set

Places every tray 100% correctly in the tray transport lane.

## 5 Touch screen control

Built in multifunctional touch screen, all controls and counters integrated in an intuitive control center.

## 6 Detachable rollers

Spring loaded easily detachable snap-on/ snap-off rollers for easy cleaning.

## 7 Safety

When opening the covers during operation, the whole machine will stop automatically.

## 8 Outfeed belt

For buffering up to 6 stacks of trays. Equipped with pressure control and pull-up function, filled stacks are automatically forwarded towards end position.

## 9 Speed adjustment on demand

Speed can be adjusted by operator for maximum efficiency during the whole laying period.

## 10 Tray stacker

Capable of stacking both pulp and plastic trays into stacks of 6 trays high.



36,000 eggs/hour  
(100 cases/hour)



Open layout



Play video



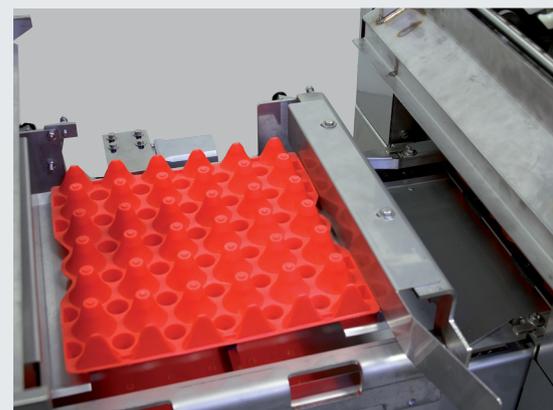
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**TECHNICAL DATA**

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Max capacity:          | 100 cases/hour (36,000 eggs/hour)                        |
| Installation anywhere: | 7 m <sup>2</sup>                                         |
| Energy:                | 2.0 kVA with tray stacker (1.4 kVA without tray stacker) |
| Power supply:          | 230 V-0-ground, 1.0-phase-AC, 50/60 Hz                   |



Get more insight from your egg production data with LinkPro, fully integrated in the FarmPacker 100.



# Farmpacker 200



## 1 Point down

Individual egg handling, with soft materials and minimum drop height, ensuring perfect point down filling of the trays.

## 2 Detachable accumulator

Detachable for easy cleaning. Equipped with pressure control to ensure optimum regulation towards packing position.

## 3 Denester

Automatic feeding of single trays to the packing position. Easy to adapt to different tray types and equipped with missing tray detector accompanied by high buffer capacity.

## 4 Drop set

Places every tray 100% correctly in the tray transport lane.

## 5 Touch screen control

Built in multifunctional touch screen, all controls and counters integrated in an intuitive control center.

## 6 Detachable rollers

Spring loaded easily detachable snap-on/ snap-off rollers for easy cleaning.

## 7 Safety

When opening the covers during operation, the whole machine will stop automatically.

## 8 Outfeed belt

For buffering up to 6 stacks of trays. Equipped with pressure control and pull-up function, filled stacks are automatically forwarded towards end position.

## 9 Speed adjustment on demand

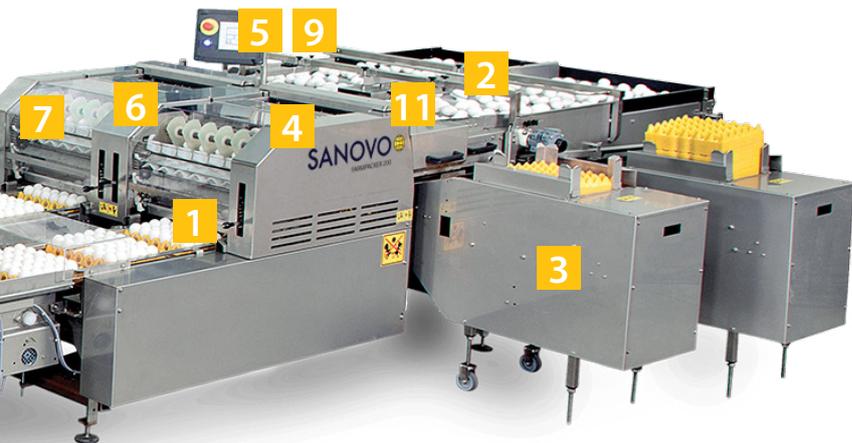
Speed can be adjusted by operator for maximum efficiency during the whole laying period.

## 10 Tray stacker

Capable of stacking both pulp and plastic trays into stacks of 6 trays high.

## 11 Split belt

With the standard split belt accumulator and its adjustable guides, the egg flow can be separated for each packing head, for example white and brown eggs.



72,000 eggs/hour  
(200 cases/hour)



Open layout



Play video



Go to website

**TECHNICAL DATA**

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Max capacity:          | 200 cases/hour (72,000 eggs/hour)                          |
| Installation anywhere: | 17.4 m <sup>2</sup>                                        |
| Energy:                | 2.2 kVA with tray stackers (2.0 kVA without tray stackers) |
| Power supply:          | 230 V-0-ground, 1.0-phase-AC, 50/60 Hz                     |



# Farmpacker 24000



## 1 Cups

Perfect point down. We can assure you a percentage of more than 99.8. Minimum transfer height from rollers to the cups. The open structure of the cups ensures superior egg handling.

## 2 Rollers

Easily cleanable rollers.

## 3 Gentle transfer suction head

Gentle transfer with suction head to the packing lane. Easy snap-on/snap-off setup.

## 4 Integrated controls

Simple control that is easy to understand and easy to use. If the blue button is activated, eggs will be pulled forward from hen house until first eggs arrive on the accumulator. The same button will automatically empty the machine at the end of the day. An emergency button is a standard provision for your safety.

## 5 Accumulator

The accumulator is supplied with a plastic belt for optimal cleaning. If the accumulator is full, the process is automatically stopped with pressure control.

## 6 Safety

The transfer arm collecting eggs from the cups and bringing to the setter tray is well protected against any interference from the operator.

## 7 Egg counter

Provides more information about the total amount of eggs. Standard egg counter integrated in the machine.

## 8 Easy access

Packing lane is able to handle 5 filled 30-egg trays. Provides good overview of the eggs.



Up to 24,000 eggs/hour  
(67 cases/hour)



Open layout



Play video



Go to website

**TECHNICAL DATA**

|                        |                                        |
|------------------------|----------------------------------------|
| Max capacity:          | Up to 67 cases/hour (24,000 eggs/hour) |
| Installation anywhere: | 5.24 m <sup>2</sup>                    |
| Energy:                | 1.9 kVA                                |
| Power supply:          | 230 V-0-ground, 1.0-phase-AC, 50/60 Hz |



## Egg Palletizing

# Say goodbye to manual, back-breaking stack palletizing

The SANOVO Stack palletizer is designed for automatic processing of eggs. This solution is as efficient as possible and easy to operate with minimal training.

The SANOVO Stack palletizer is a fully automated tray-palletizing machine installed in-line after the tracking process. The Stack Palletizer will stack trays at 200 stacks per hour when combined with the Farmpacker 100, increasing productivity when compared to manual stacking the pallet. The palletizer speeds up the work and eliminates the back-breaking job of lifting the 13 kg stack, 3 time a minute to the pallet to stack the eggs.

The unique system ensures that the stacks are placed in the exact correct position instead of sliding them into position. A stable pallet reduces the risk of hairline cracks in the eggs or shifting of the eggs during transport. Transportation to the grading station is crucial and you want to ensure the safest transport method.

The Stack Palletizer can handle plastic and pulp trays, plastic dividers, and plastic pallet such as EggsCargoSystem® for example. The capacity and the performance depends on the quality of the egg stacks. Therefore, pallets, trays and dividers must be in good condition to ensure proper alignment of packing material.

The Stack Palletizer is easy to clean by manual dry-cleaning or using pressured air to remove the bigger dust particles. Cleaning with water is only possible for the stainless-steel parts. The SANOVO Stack Palletizer can be configured in four standard layouts to suit various farm configurations from 3.9 up to 7.7 meter wide. Customized configurations can be arranged on request.



Learn more about  
the SANOVO farm  
automation solutions



“

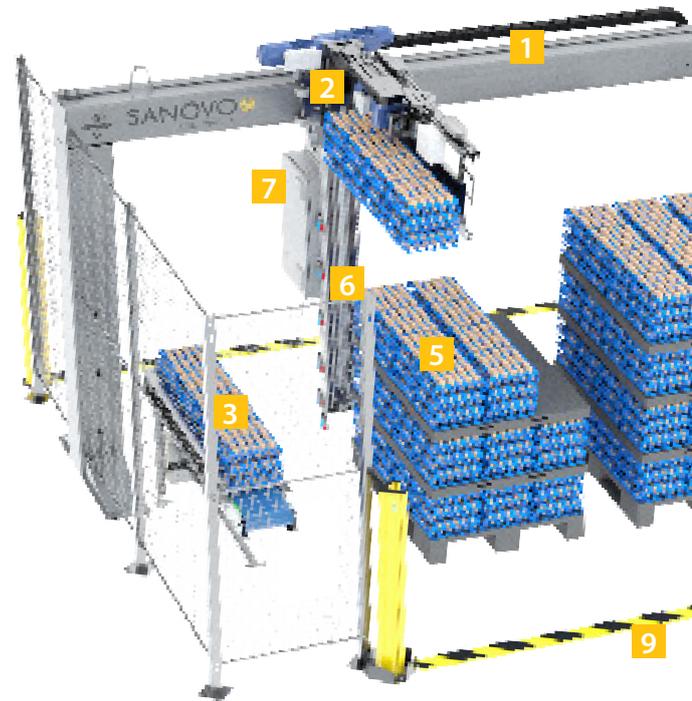
*“Since I work with the Stack Palletizer I have more time to candle the eggs from the incoming egg flow and that improved the overall quality of the product that I deliver.”*

Farmer Janzen



# Stack Palletizer

Fully automated stack palletizing machine in-line.



## 1 Mainframe

The mainframe is coated iron and guides the pick-up arm. Length from 3.9 up to 7.7 meters.

## 2 Pick-up arm

The pick-up arm is mobile, the sensor on the arm will check if it is loaded with product and correctly filled. The pick-up arm has a gas spring which senses the weight of the product on the arm.

## 3 Pick-up conveyor

The pick-up conveyor collects the stacks coming from the traystacker up to 4 stacks of 24 trays.

## 4 Buffer

Buffer area for 12 empty pallets and 50 dividers. These buffers ensure that the machine runs automatically until the buffers are empty after about half a working day operating with a Farmpacker 100.

## 5 Empty pallet position

An empty pallet is placed here and will automatically be loaded with stacks of eggs and dividers up to 5 layers.

## 6 Sensors

This machine has 5-layer sensors on the frame, they check if a pallet already has a layer of eggs trays. The lowest sensor detects if there is an empty pallet to stack the egg trays on.

## 7 Operating

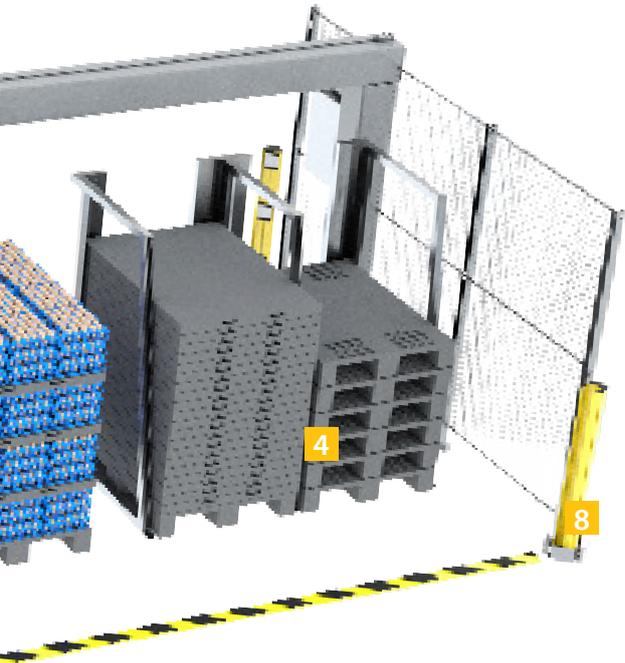
Electricity is all you need to run the machine. The 3.9, 6.3 and 7.7 are single phase systems, the fully automatic 4.9 is a triple phase system. The machine has an internet connection and can be monitored remotely by the SANOVO LinkPro system.

## 8 Safety light screen

The safety light screen around the stack palletizer provides a safer working area for the operator.

## 9 Automatic outfeed (optional)

Possibility to load 3 pallets and buffer them before manual work is required. The machine runs until 3 pallets are fully loaded.



Click here for the fully automated 4.9 model



Up to 80,000 eggs/hour



Open layout



Play video



Go to website

**TECHNICAL DATA**

|                     |                                  |
|---------------------|----------------------------------|
| Max capacity:       | 40,000 - 80,000 eggs/hour        |
| Installation area:  | 24m <sup>2</sup> for 6.3 m model |
| Energy consumption: | 8kVA (7,8kW)                     |
| Power supply:       | 400V-50/60Hz-3ph N+E             |
| Module weight:      | approx. 1.550kg                  |



# Options



**Extra wide accumulator extension 890 mm**  
(Only models 70, 100 and 200)

Extension with belt width of 1200 mm required when multiple egg conveyors are connected from the back of the Farmpacker. Can also be used if egg conveyors come from the side. Equipped with separate drive unit to ensure optimum egg regulation towards packing position.



**Accumulator extension 860 mm**  
(Only models 70, 100 and 200)

Extension with belt width of 600 mm required when multiple egg conveyors are connected from the side to the Farmpacker. Extension is equipped with separate drive to ensure optimum egg flow towards packing position.



**Accumulator extension**  
(Only model 40)

Extension with belt length of 590 mm and width of 430 mm, required when multiple egg conveyors are connected from the side to the Farmpacker. Seamless low friction belt for optimum egg regulation towards packing position.



**Extra long Accumulator extension 1280 mm**  
(Only models 70, 100 and 200)

Extension with belt width of 600 mm, required when multiple egg conveyors are connected sideways on the Farmpacker. Extension is equipped with separate drive to ensure optimum egg flow towards packing position.



**Accumulator extension**  
(Only model 40)

Extension with belt length of 1000 mm and width of 430 mm, required when multiple egg conveyors are connected from the side to the Farmpacker. Seamless low friction belt for optimum egg regulation towards packing position.



**Curves: 90° and 180°**

90 or 180 degree curves can be combined with the take away conveyor or stacker. Left- and right-handed versions along with different belt lengths in between two 90 degree turns for optimal machine configuration are available.



**Pre candling unit**  
(Only models 70, 100 and 200)

Pre candling unit which can be placed between the egg conveyor and Farmpacker. This unit consists of soft high friction rollers that rotate every egg for optimum quality checking. Also equipped with a tube light.



**Egg counter**  
(Only models 40 and 70)

Electronic counter for keeping track of total eggs packed. The counter has the possibility of adding or deducting amounts of eggs taken out during pre candling.



### Traystacker SX40

Stacking single pulp or plastic trays into stacks of 6 trays high. Constructed using stainless steel solid guides, which together with a clutch on the motor ensure continued reliability.



### Extended outfeed belt for tray stacker

Up to 12 stacks are buffered on the belt or can be forwarded to the take away position



### Traystacker SX20

Highly economical and space efficient, SX20 ensures an easy collaboration with operators. It is created for Farmpacker 40, 70 and 24000.



### Farmgrader 80

Washable electronic weighing unit, which can be placed between the egg conveyor and Farmpacker. Programmable weight classes can be sent to the Farmpacker or to two hand collecting shelves. Data can be transferred to MS Excel by standard USB storage device.



### Palletizing

Fully automatic system for placing stacks of eggs on a pallet. Usable for plastic or pulp trays, cardboard or preformed intermediate layers. Multiple pallet positions and different configurations are possible.



### Take away conveyor (Only models 100 and 200)

For buffering up to 6 filled trays. Height of the take away conveyor can be determined during installation and the conveyor is equipped with a pressure control switch.



### Printing & Stamping

Various printing and stamping options are available.



### First aid kit

Although your Farmpacker is delivered with spare parts, this first aid kit enables you to do most of the regular maintenance.

### Critical aid kit

Contains specific parts that will ensure ongoing production in all cases.

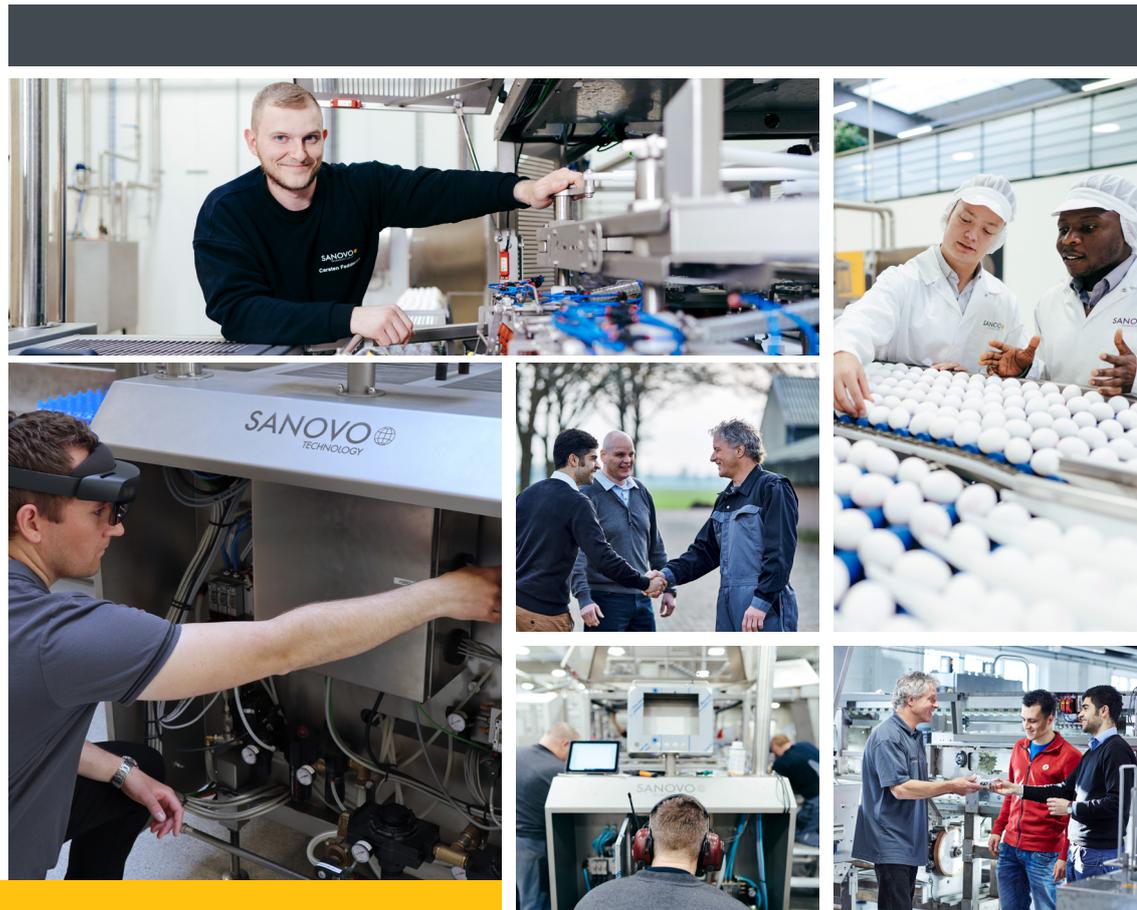
# Worldwide service & support anywhere at anytime



Our team of specialists is here to help if you have any trouble with your equipment, need technical support, ordering spare parts, training of your local staff or if you need an upgrade or maintenance of your machine.



4 *Production units*  
15 *Sales & service offices*  
+50 *Distributors*



**SANOVO CARE**

Our contracts make it easier for you to choose a service that fits your needs

We believe that no matter how similar two facilities are, their maintenance needs are never the same.

This is why we specialize in customized SANOVOCare Agreements, which are designed specifically to maximize the return of your investment while minimizing your risks and break downs.

**TRAINING PROGRAMS**

It is our experience that a well-trained staff is more capable of performing essential and correct daily maintenance which minimizes downtime and ensures that the equipment operates smoothly.

We offer a balance between theory and practice in our state-of-the-art training facilities that are fully equipped with operating machines.

**SPARE PARTS**

We stock more than 10,000 parts, and our intelligent, global storage and logistics system makes it possible to operate with short delivery times.

Original spare parts from SANOVO have the advantage of fitting quickly and easily. They have a long service life and can be supplied many years after the machine was first purchased.



Learn more about customer care

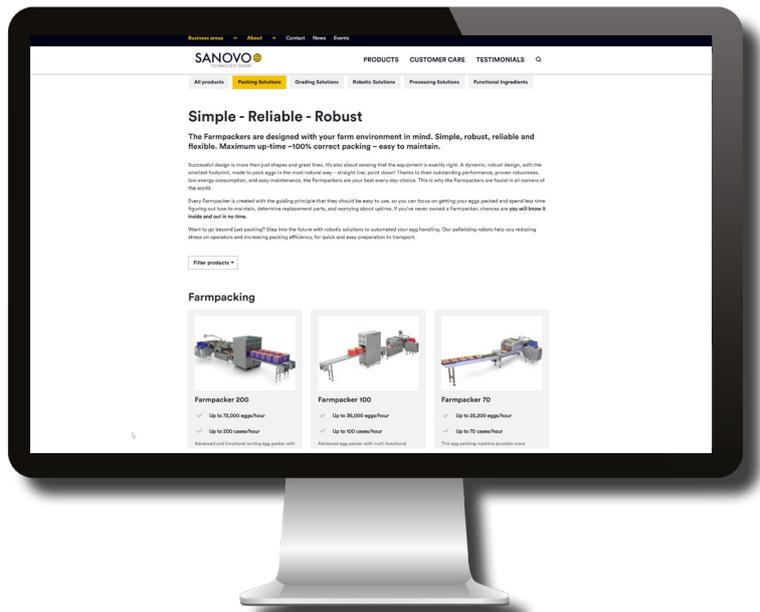
**TECHNICAL SUPPORT**

In Technical Support we have invested in digital technologies to facilitate more effective communication and interaction - all to keep our equipment running and up-to-date every day all year. With Microsoft Hololense we are ready to assist you on the spot.

**AFTERSALES**

Keep your existing equipment up-to-date with our aftersales.

Upgrading, remodeling of your existing equipment or integration of new installations - we are here to assist you.



**Go to [www.sanovoegg.com](http://www.sanovoegg.com)  
to learn more of each packer**

**SANOVO**   
TECHNOLOGY GROUP

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