Think ahead with **poultry people**

Complete solutions for
table egg handling

Prinzen

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poultry people

Prinzen is a recognised name in the field of egg handling. We offer complete solutions; from simple on-farm egg packers to complex egg & tray handling systems for hatchery applications. Through our world-wide dealer network, we offer high quality equipment with a second to none after-sales service. Since 1999 Prinzen has been part of the Vencomatic Group, owned by the Van de Ven family. The group offers a full range of innovative systems for equipping modern poultry farms all over the world.

With ongoing innovations and customer consultation, we offer the perfect egg handling solutions for a wide variety of processes!

"The layer market is growing worldwide, this is a good opportunity for Prinzen to share our knowledge about table eggs packing process. As an innovative company, we constantly develop profitable high quality products, for an effective egg handling. Prinzen machines are time saving and easy-to-use, it allows you to spend more time on leading your business. Our equipment is the right solution for you! "

Edwin Vaags
Business Development Manager, Prinzen

Efficient and **gentle handling** of table eggs

For the table egg market a special range of machines has been designed with the keywords: simplicity, compactness and safety in mind. These machines combine careful handling with speed, making the collection of table eggs quick and easy at any size farm.

Farm packers

The **Prinzen 50** is used for packing table eggs onto 30 cell trays. Gentle egg handling, ease of use and the point down correction are the key features of this packer. The Prinzen 50 has a capacity of 18,000 eggs p/h. Low operational costs ensure a quick return on investment.

The **Prinzen 70** is offering an effective operating capacity of 25,200 eggs per hour. Eggs are packed point down and with highest care. The Prinzen 70 is compact and fits into any egg collection room. It can be extended with features such as infeed belts, egg coders, tray stackers and the Palletiser 110.
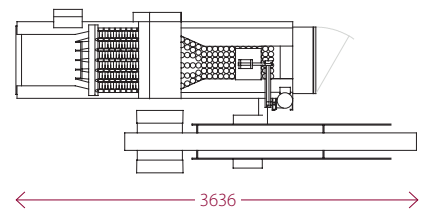
- Reduces manual labour;
- Gentle egg handling;
- Easy operation;
- For all types of 30 cell trays.

Quick and easy farm packing
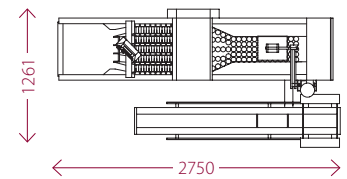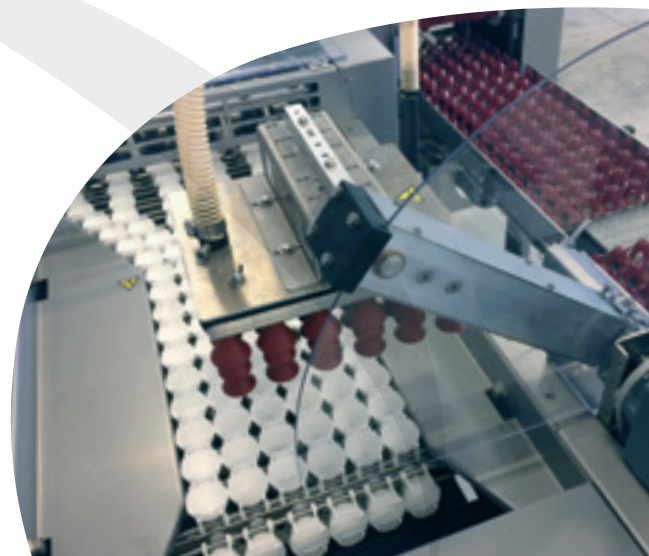

Prinzen 50 L

Prinzen 70 R

	Effective capacity	Options
Prinzen 50	18,000 eggs/hour	Ergostack 50, Ovoprint, Ovostamp
Prinzen 70	25,200 eggs/hour	Ergostack 70, PS4, CPM, Ovoprint, Ovostamp

Tray stacking

To further automate the process of egg packing, trays can be stacked with our semi- and fully automatic stackers.

	Effective capacity	Installed power
Ergostack 50	18,000 eggs / hour	0.40 KVA
Ergostack 70	25,200 eggs / hour	0.60 KVA
PS4	40,000 eggs / hour	0.50 kVA

Ergostack

The tray stacker Ergostack 50 is suitable for Prinzen 50. The Ergostack 70 with stacking output unit, exclusively for use on the Prinzen 70.

• Semi-automatic stacker;
• Uniform stacks of six trays;
• Option: stack outfeed unit;
• Fully integrated in the Prinzen 50 and 70 packers.

PS4 Traystacker

The PS4 Traystacker is exclusive available for the Prinzen 70, 100 and the Speed-pack.

• Fully automatic;
• Capacities up to 40,000 eggs per hour;
• Uniform stacks of six trays;
• Fits any configuration.

Carton Packaging Module (CPM)

The Prinzen 70 can be extended with the Carton Packing Module for packing eggs straight in (consumer-type) carton egg boxes holding 10 or 12 eggs. A unique feature to market eggs direct from the farm. For additional weighing and sorting requirement, the Prinzen Ovograder unit can be easily integrated with the Prinzen 70.
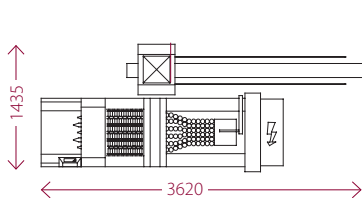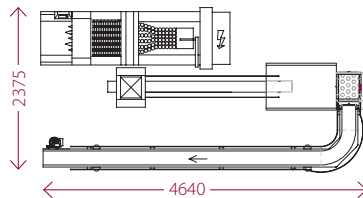
Prinzen 100

Clever and accurate

With the Prinzen 100 daily egg packing becomes an easy task. It is cleverly designed, ensures gentle egg handling and it reaches for a capacity of 36,000 eggs per hour.

The Prinzen 100 can be configured to fit any egg packing room and allows an overview of the complete packing process. Working with the packer goes without saying. Essential parts of the machine are easy to reach and make it simple to operate and to clean.

Safeguarding egg quality is a key priority. Eggs are handled with the outmost care, preserving its quality during the entire packing process, including automatic tray stacking and additional pallet loading.
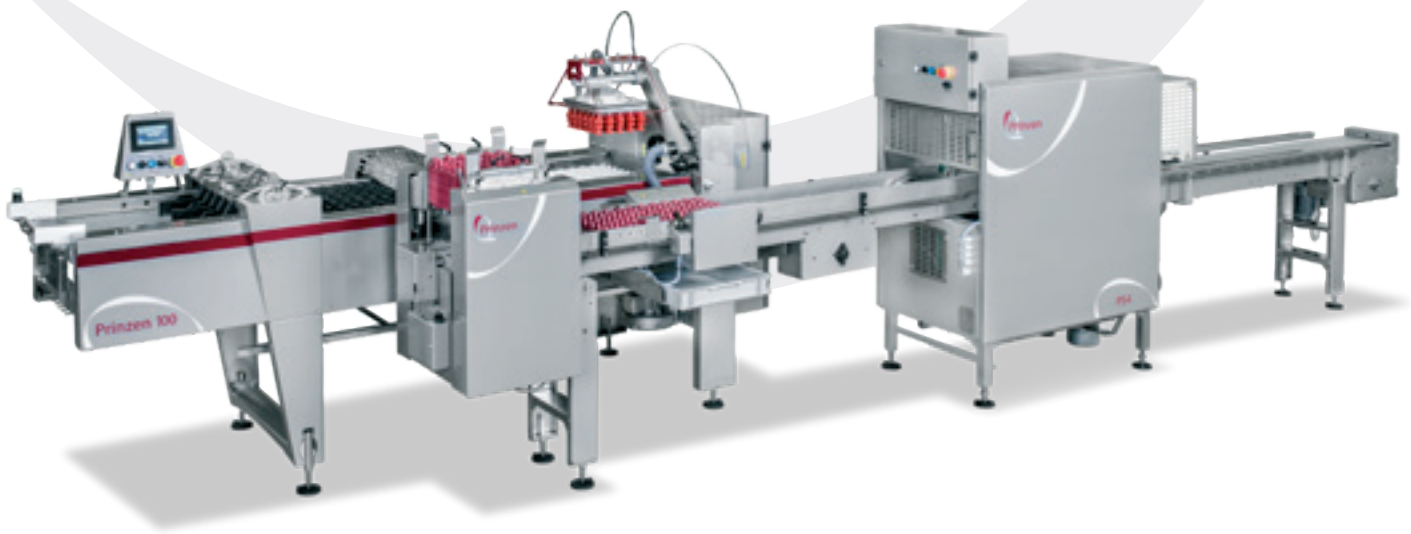

Prinzen 100 L

Prinzen 100 R + PS4 Stacker + Curved conveyor for stacks

|	Effective capacity	Installed power	Options
Prinzen 100	36,000 eggs/hour	1.85 kVA	PS4, Ovoprint

Egg coding

Prinzen egg coder systems are available for all our packers. We offer two high quality methods for coding individual eggs at minimal costs. Cartridges using approved food grade ink are available in different colours. The quality of coding leaves nothing to be desired : just perfect !

Ovoprint

• Perfect imprint due to adjustable print heads;
• Easy cartridge exchange;
• Minimal ink consumption;
• Maximum uptime, simple and fast cleaning;
• Print field: max. height 4.8 mm / length 25 mm.
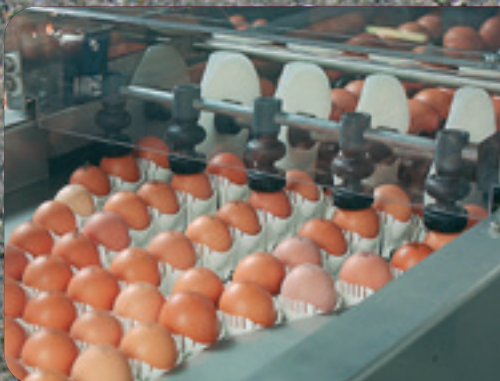
Ovostamp

• Proven stamping technology;
• Gentle code stamping using a flexible rubber head;
• Fixed print texts (number, text, logo);
• Stamp size of Ø 17 mm which fits maximum 3 lines with 17 characters.

Speedpack 110 – 220 – 330

The perfect match between
optimal operation & capacity

The Speedpack automatic egg packer handles and packs eggs quickly yet carefully on 30 cell trays. As expected from its name, this table egg packer is named after its speed. Due to the compact design of the machine, you will especially appreciate the complete overview of the entire egg packing process. It allows you to spend more checking for egg quality.

Smart investment - The Speedpack provides you the highest capacity per square meter of available footprint in the market. The machines of Prinzen are built with high quality materials to ensure a long lifetime. Moreover the Speedpack is an interesting investment related to the low cost of operation and maintenance.

Safe egg treatment - Worldwide, Prinzen farm packers process over 1.3 billion eggs every day. The Speedpack

table egg packer consists of only three transfer points which ensures optimum egg handling. Having less transfers in the process ensures perfect egg handling.

Excellent complete packing line - A perfectly tuned processing line for on farm packing of table eggs; from the egg conveyor belt to the pallet. By combining the Speedpack, PS4 Tray stacker and Pallet Loader, Prinzen realises a packing line with an unequalled speed of 4 egg pallets per hour.

High capacity farm packing

To meet the demand for different capacities, Prinzen offers various configurations with the Speedpack with capacities of 40,000, 80,000, 118,000 eggs per hour. Several machine configurations are available to match the space in the egg room. In addition automatic supply of 30 cell trays to the packers is available for the tray denester units. The high level of automation and reliability set the right conditions for a perfect packaging job.

• Compact design and modularity of the individual units;
• Best ratio available in the market: capacity versus required footprint;
• Ensures maximum processing capacity.

	Effective capacity	Installed power	Machine footprint *
Speedpack 110	40,000 eggs / hour	1.6 kVA	L x W = 6715 x 1705 mm
Speedpack 220	80,000 eggs / hour	3.2 KVA	L x W = 7435 x 2950 mm
Speedpack 330	118,800 eggs / hour	4.8 KVA	L x W = 6195 x 7015 mm

* the footprint indication includes egg infeed belts and tray stacking devices
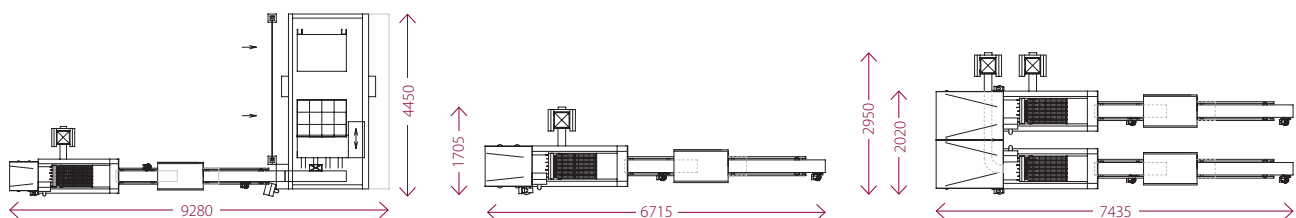
For more information

Scan the QR code

Effective **fully automated** process

Farm collecting and packing of table eggs is a daily routine that should be done with care and efficiency. Reliable processing capacity must be available at all times. Prinzen's range of equipment meets the industry standards fully with easy to use machines, handling eggs comfortably from the egg belt right up to the egg pallet for the next step in the chain.

Pallet Loader

The Pallet Loader completes the egg collecting process, increasing automation even further. The Pallet Loader is fully compatible with the capacity of the Prinzen packing machines. The Pallet Loader is a gantry robot offering safe and high precision of handling.

• Reduce heavy and repetitive manual labour;
• Modular & compact design: fits any egg room.

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Effective capacity	80,000 eggs / hour
Installed power	6.9 kVA
Air requirement	20 N ltr / minute / 8 bar
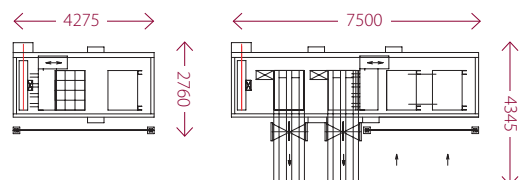
Palletiser 110

The Palletiser 110 greatly reduces the tiring work of handling stacks of trays and pleasantly improves your daily egg collecting work. The capacity and functionality of the automatic palletiser perfectly matches the packing capacity of the Prinzen packer range starting from 25,200 (Prinzen 70) up to 39,600 (Speedpack 110). It can handle 40,000 eggs per hour on pallets, by lifting 4 stacks of trays in each movement. The palletiser operates independent and connects with any suitable type of farm packer. The frame design is compact and matches various egg room lay-outs and uses very little floor space.

Effective capacity	40,000 eggs / hour
Installed power	1 kVA
Air requirement	No compressed air needed

For more information

Scan the QR code


6H - 6 layers

5H - 5 layers
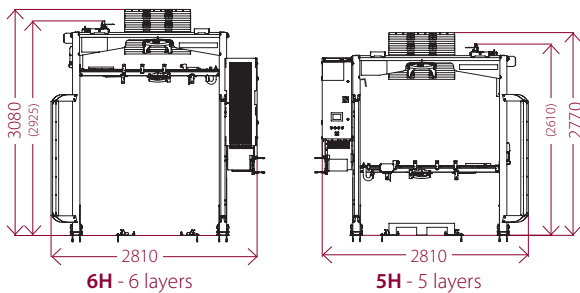
Ovograder 30

The Ovograder electronically weighs and grades eggs into 4 pre-defined weight categories. The compact machine is installed in line with the egg collection belt and the packer. The grader control panel visualizes statistical information such as number of eggs, individual egg weights and total weight per day, per house and the percentage of eggs in various weight classes. This data analysis enables accurate management.

• Added value through uniformity in eggs;
• Analysis of egg production;
• Compact machine: fits in any egg room.

|	
Effective capacity	30,000 eggs / hour
Installed power	0.5 kVA
Air requirement	100 N ltr / minute / 8 bar
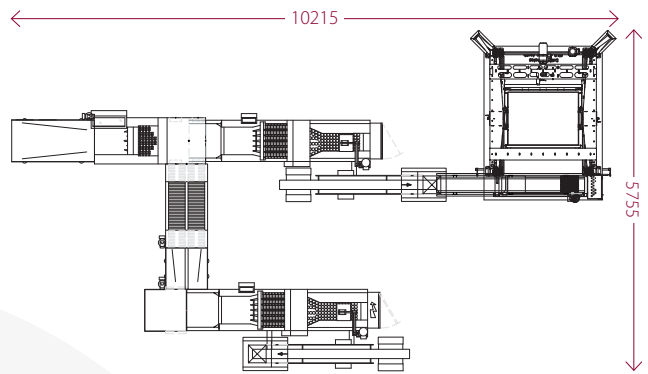
Example set up for on farm grading:
Ovograder 30 , Prinzen 70 and Palletiser 110

Profitable
farm grading and packing

The Prinzen Ovograder brings accurate and high capacity weighing and sorting of eggs to the farm. In addition, the Ovograder can be further extended and combined with multiple packers for a central egg grading and packing process. A candling system is an optional item that can be incorporated into the configuration.

The Ovograder can easily fit in your egg collection room as it is the most compact sorting machine, processing 30,000 eggs per hour, available on the market. Sorting on farm creates opportunities to increase the value per egg. Pre-sorted eggs delivered to a packing station improve the efficiency of their operation allowing a higher price for the eggs. A second opportunity is to shorten the traditional chain by selling directly from the farm to consumers. The added value created with the Ovograder allows a quick return on investment.
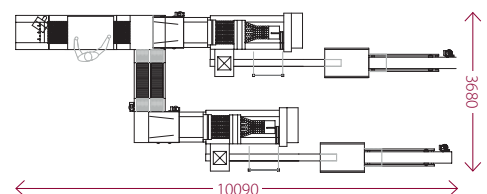
Meggsius Detect

The system detects leaking eggs rolling off an egg belt onto the infeed conveyor of a Prinzen packer. When a wet leaky egg passes Meggsius Detect a short circuit occurs at the transition and the egg belt and the packer's infeed belt will stop. When a stop occurs a visual signal is given: the green signal lamp next to the detection changes color. After removing the leaky egg and cleaning, the system is simply restarted by pushing the signal button. This improves hygiene, with less cleaning work and ensures better egg quality.

Meggsius Select

The Meggsius Select is a system for automated selection of second grade consumption eggs using machine vision and sorting technique. Eggs can be sorted based on exterior characteristics to four destinations/exits. Every individual egg will be inspected on exterior indicators like quality and dimensions. The system ensures an objective and reliable quality assessment. This greatly reduces the daily workload. In addition to monitoring the process, the operator only takes care of the supply of packaging material and the removal of full packs such as pallets and trays with rejected eggs. Egg quality, reject category data (per hen house and/or day totals) is transparent and accessible for further analysis.

For more information
Scan the QR code

Venco Campus
Home of Poultry Innovation

What suits a team of poultry people better than an egg shaped building? We are accommodated in one of world's most sustainable buildings: the Venco Campus. This building reflects our mission of being the number one global player for sustainable, poultry friendly systems.

The Venco Campus serves as an international knowledge and innovation centre for the poultry industry. We strongly believe in open innovation through thinking ahead with poultry people. Your experience is of great value to us and we invite you to come and explore what poultry innovation can offer you. **Together we bring the poultry sector to the next level.**

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