

Setter Line for hatcheries

Prinzen offers solid and reliable equipment to place eggs arriving in the hatchery onto setter trays. The Setter Line offers hatcheries solutions combining gentle egg handling with 99.7% points down setting thereby maximizing hatchability. The egg intake and transfer operation can be combined with candling, egg grading and UV disinfection of the eggs.

Solutions for all trays

Over the years Prinzen has gained vast experience with all incubator systems used worldwide. The Setter Line is designed in a modular setup, in order to offer a solution to all available setter tray types. This way our customers always find a perfect solution, which fully meets the requirements as regards to functionality and capacity solutions for transferring hatching eggs from the transport tray directly onto the setter tray.



System Loader

The System Loader carefully feeds eggs from their transport tray to the Setter Line modules like the proven PSpC setting unit(s), positioning the eggs points down in a setter tray. Eggs may be transferred into a vast variety of setter tray types.

Tray to tray transfer

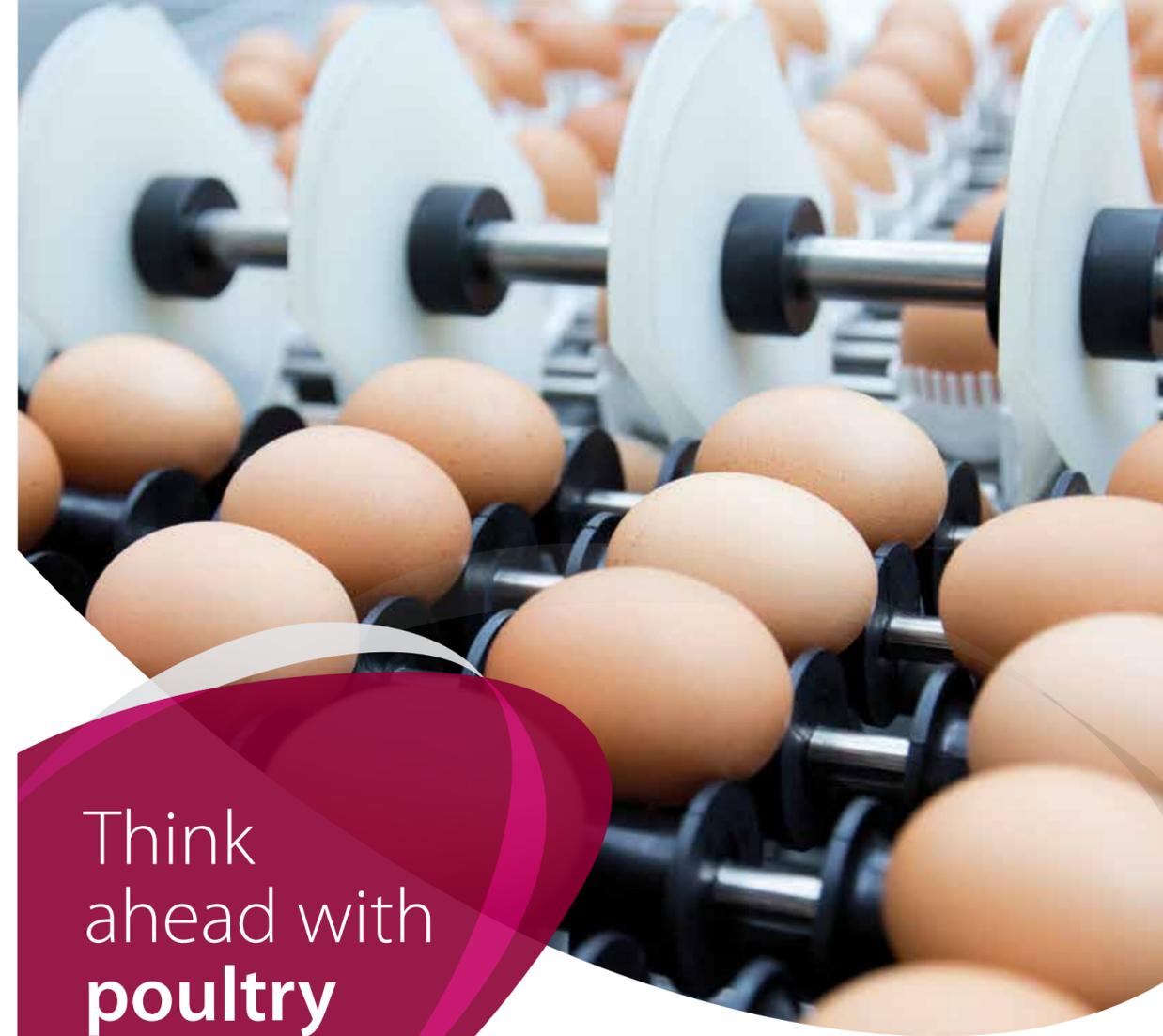
In case no additional quality control or points down setting is required, the Prinzen tray to tray transfer system offers a wide variety of solutions for transferring hatching eggs from the transport tray directly onto the setter tray.

Trolley (un)loader

The Trolley loader is designed for fully automatic loading or un-loading of various setter tray trolley types and containers. Many options are available, such as the twin column models to handle two or more setter trays per cycle. The machine contributes to the Setter Line to fully streamline the process.

Ovograder

Especially designed for inline use in the Setter Line, the Ovograder, an electronic grader for hatching eggs has proven to be an asset at the hatchery. The system uses electronic weighing units, grading the eggs into four user defined sizes. It opens the possibility to sort specific hatching egg sizes to suit specific incubation programs or processes to increase hatchability, cut labour costs and increase profits.



Prinzen

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Your local Prinzen partner:

Think ahead with
poultry people

Complete solutions for
egg handling



Prinzen, a  Vencomatic Group company



Perfect **points down** setting

With over 30 years of experience, Prinzen is the market leader in hatching egg setting machines. Every day millions of hatching eggs are carefully handled and set by Prinzen machines worldwide. Our unsurpassed points down setting rate of 99.7% maximizes the hatchability of the eggs.

Egg setting machine range

Prinzen egg setting machines are the perfect solution for accurate and gentle setting of hatching eggs directly onto setter trays. Manual labour is strongly reduced while retaining the quality of the eggs.

The Ovoset is a semi-automatic machine, with the trays handled manually. The Prinzen PSPC series takes automation of hatching egg setting one step further. Setter trays are automatically fed and brought into position. The compact machines offer a good overview and are easy to operate. The stainless steel construction and service accessibility makes cleaning quick and easy.

	Capacity	Parallel matrix trays	Offset matrix trays
Ovoset	12,000 eggs / hour	X	X
PSPC5	18,000 eggs / hour	X	
PSPC7	21,000 eggs / hour	X	X



Ovograder

Egg grading results in more uniformity among hatching eggs and thus day-old chicks. Prinzen's egg graders are known for their accuracy and user friendliness. The egg grader grades eggs into 4 predefined weight classes. Non-hatching egg sizes are separated and routed automatically to the hand packing table. You can easily keep track of the performance of the flock with the touch screen computer that visualises crucial statistical information.



Trolley Loader

The Trolley Loader completes the automatic egg handling process, increasing productivity even further. It substitutes the heavy and repetitive labour of manual placing of setter trays into trolleys. The capacity of the Trolley Loader easily handles the flow of eggs from the Prinzen egg setting machines. The compact design requires minimum floor space.



Smartpack
France



Vencobelt

Eggs are gently transported from different nest rows or houses to a central on-farm location with the Vencobelt. It is available in 40 and 55 cm widths and meets capacities up to 45,000 eggs per hour. The smart design of the carriers and smooth connections of the belt allow a slope up to 35 degrees and small radius corners up to 180 degrees. Furthermore only one drive chain is integrated making the belt flexible in its application, allowing a 90° corner on a single square meter.



Tray stacker

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

- The Easystack is a semi-automatic stacker with a capacity of 18,000 eggs per hour and maximises the capacity of the PSPC packer. This stacker is positioned at the end of the output conveyor, to make the most of often limited space.
- The fully automatic PS4 Traystacker is a labour saving tool positioned on the output side of a Prinzen packer. It has a capacity of 40,000 eggs per hour, stacking up to 6 trays. The unique possibility of a 90° discharge angle allows for space saving lay-out configurations.



Egg coder

Egg coding systems are available for all our packers. We offer two effective methods for coding individual eggs at minimal cost.

- The Ovoprint uses the proven inkjet technology offering high quality egg coding. The print head adapts itself to each individual egg height resulting in constant coding quality, day after day. Over 200,000 eggs (maximum 2 lines of 23 characters each) can be coded per ink cartridge, keeping operating costs to a minimum.
- The Egg Flex Stamper uses flexible rubber heads to gently stamp the code onto the eggs. This proven technique ensures a constant high quality. A rubber head has a stamp size of Ø 17mm which fits maximum 3 lines with 17 characters and can stamp over 250,000 eggs.

Fast, efficient and gentle handling of table eggs

For the table egg market we designed a special range of machines with the key words simplicity, compactness and safety in mind. These machines combine careful handling with speed, making collecting of table eggs a quick and easy process at any farm.

Our range of table egg packers

With its experience in hatching egg setting machines Prinzen developed top of the line table egg packers for 30 cell plastic and cardboard trays.

Prinzen packers guarantee egg quality throughout the process. Various compact configurations fit into any egg collection room and provide a good overview of the process. All machines are made of stainless steel, together with the excellent service accessibility it makes cleaning quick and easy. Packers are available with a variety of capacities and can be extended with features such as infeed belts, egg coders, tray stackers and a Pallet Loader.



	Effective capacity
Ovopack	12,000 eggs / hour
PSPC 30	18,000 eggs / hour
Smartpack	30,000 eggs / hour
Speedpack	40,000 eggs / hour

Timeline

The Timeline is a perfectly tuned processing line for packing table eggs on-farm; from the egg conveyor belt to the pallet. By combining the Speedpack, PS4 Traystacker and Pallet Loader, Prinzen created a packing line with an optimum speed of 4 egg pallets per hour. This packing line is used for both plastic and cardboard trays. Separate components can be varied in position maximizing flexibility. The touch screen computer of the Timeline allows you to easily control and operate the entire egg packing process from one central point.

