



## Farmpacking

The connection link in the egg industry

# Designed for your profit

Moba Farmpackers are designed for your profit. High performance machines with net capacities close to the theoretical maximum, combined with well-built, robust designs. Low-maintenance technology, together with their hygienic and easy-to-clean construction make Mopack Farmpackers reliable and hardworking companions for many years to come.





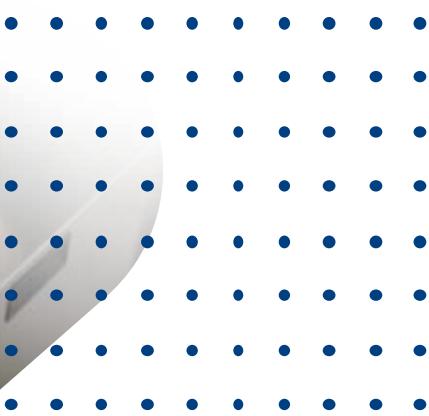
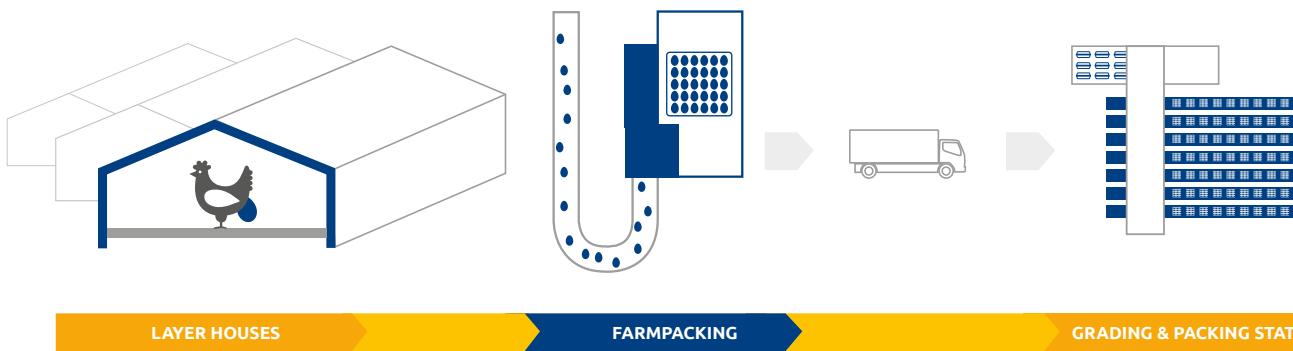
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# Purpose

Farmpackers are used on layer farms. Eggs produced on a farm, are made transportable by placing the eggs automatically in trays, and optionally also on stacks and pallets.

# Farmpacking process

In industries where offline grading machines are typically used, Farmpackers are the connecting link in the industry chain. If farmers sell their eggs to egg grading and packings stations, the packing process on the farm itself becomes crucial. The difference between a good and a bad Farmpacker can make a large percentage difference to the number of cracked eggs. This reflects an enormous value per year. With a Moba Farmpacker, you can rely on the most gentle egg handling, as well as a global service network that will support your business with service and parts for many years to come.



# Key added values Moba Farmpackers

## Added value per egg

Moba Farmpackers are designed to handle your eggs as gently as possible. By precisely controlling the egg flow, the impact on the eggs is minimized, reducing the risk of cracks. This means more eggs can be sold to consumers, boosting your profits. Moba's renowned individual egg handling not only ensures gentle treatment but also minimizes cross-contamination, assuring food safety. Adding a Moba Farmpacker to your operation reduces the need for many hands to keep things running. The Mopack places eggs in trays automatically, and can also stack and palletize them if needed. This eliminates heavy lifting, relieving your staff from physically demanding tasks.

### Trouble Free Farmpacking

Farmpacking is a crucial process in the egg industry. Because your layers are producing eggs every single day, it's vital for continuity that you can pack your eggs without interruption. Mopacks therefore use reliable, proven and robust technologies. An example can be found in the control systems of all our packers, which use easy to understand symbols, and show detailed production countings. This to create a intuitive control system, with a steep learning curve. This results in optimal use of the equipment, and helps you pack your eggs in an efficient manner.

### Easy to clean

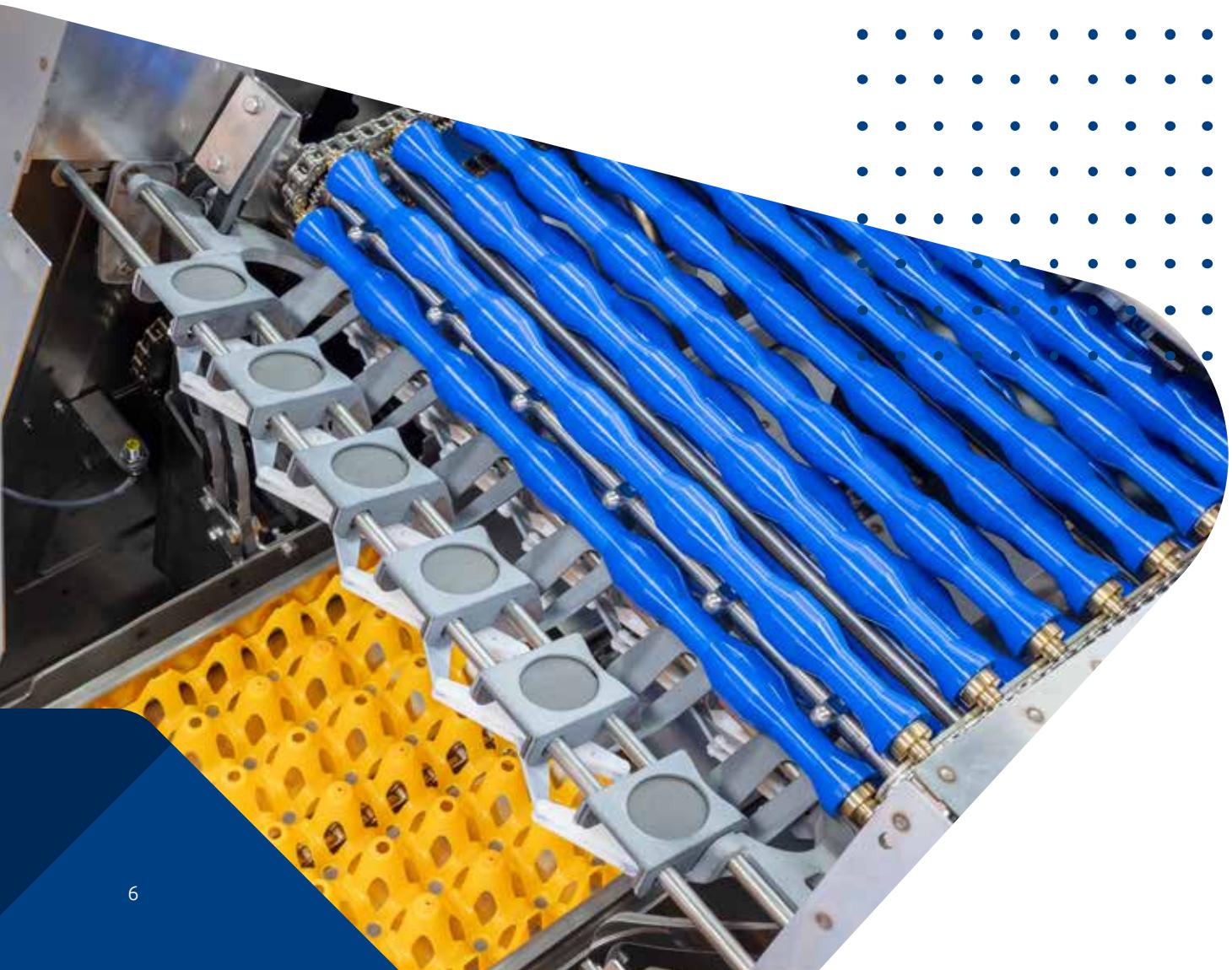
The entire construction is easy to clean. All Moba Farmpackers are made of stainless steel and use Moba's famous synthetic parts for the hygienic and gentle handling of eggs. All the techniques resulting from Moba's long-time experience are brought together in these Farmpackers. Sensitive parts are placed above the egg flow wherever possible. The conveyors are constructed in such a way that accumulation of dirt and egg contents are limited to the absolute minimum.

# Moba as your Farmpacking partner

## Service network

Because you, as no other, know that a Farmpacker related problem won't stop your layers from producing eggs, it is vitally important to have a reliable service network available in the event that you need support at any time. This is why the Moba Group Service and After Sales organization consists of professionals who are dedicated to supporting our customers at all times. Our Service and

After Sales organization offers field service support, 24/7 helpdesk support, customer care, and the availability of certified spare parts close to where our customers are located. We strongly believe in a personal and people oriented approach towards our customers, resulting in being reliable at heart.



# High efficiency farmpacking

## Mopack EP



Our latest member of the Mopack-family, the Mopack EP, combines gentle egg handling with high efficiency. This Farmpacker can process 75 cases/hour, making it the ideal system for low- and medium farmpacking needs.

The Mopack EP (Efficient Packing) is a groundbreaking addition to the Mopack-family that sets a new standard in egg packing technology. At the heart of the Mopack EP lies the seamless integration of Moba's well-known gentle egg handling with unmatched efficiency. Throughout every step of the packing process, the Mopack EP treats the eggs with the utmost care.

### Reducing labor

The Mopack EP stands out as the most efficient option due to its exceptional time-saving capabilities. Its efficiency lies in its ability to significantly reduce the time required for packing tasks. By streamlining the packing process, the farmpacker minimizes downtime and optimizes productivity. The machine's advanced technology

allows it to handle a larger volume of eggs in a shorter span of time, ensuring that the packing process is completed in a fraction of the time. The Mopack EP offers a unique compact setup with ideal workflows for various tasks surrounding the packer, along with seamless integration with optional stackers or further automation that eases the operation and reduces the required workforce.

For example, you can seamlessly connect Moba's Tray Stack 10 to your Mopack EP. The TS10 is a stainless steel machine that can stack plastic or pulp trays. It can automatically create a stack of six trays (180 eggs) and features an automatic outfeed conveyor to reduce machine stops which increases net. packing capacity.

### Robust design

Moba's commitment to food safety and quality is evident in the meticulous design of the Mopack EP. Crafted with easy cleaning in mind, it is constructed using durable stainless steel and incorporates Moba's renowned synthetic parts to ensure hygienic and gentle egg handling throughout the packing process. Its robust design not only enhances performance but also makes it effortlessly accessible for cleaning and maintenance tasks, saving valuable time and effort.



Moreover, the Mopack EP boasts mechanical drives and simplified settings, making it exceptionally user-friendly. Its intuitive operation streamlines the packing process, reducing the learning curve for operators and enabling smooth and efficient workflow.

### Perfect fit

The Mopack EP's thoughtful engineering extends to its compact footprint, allowing it to seamlessly fit into even the smallest packing rooms of egg producers. This adaptability ensures that egg producers of all sizes can benefit from the revolutionary technology and efficiency offered by the Mopack EP.

### Revolutionize your packing process

The Mopack EP is a game-changer in the egg packing industry, embodying Moba's commitment to customer satisfaction, food safety, and cutting-edge design. With its unparalleled combination of gentle egg handling and efficiency, it elevates egg packing to new levels of productivity and reliability. Whether you are a large-scale egg producer or you own a smaller operation, the Mopack EP is ready to revolutionize your packing process and help you achieve exceptional results.

# Mid capacity Farmpacking

## Mopack100

Our Farmpackers are engineered with a focus on high performance based on many years of experience. Elevate your operation with a solution designed to optimize profitability while reducing labor demands.

### Empower your operation

Reliability in the egg industry is paramount. Our Farmpackers are made with a steadfast commitment to addressing your key priorities and ensuring success:

- **Gentle egg handling:** We understand the significance of preserving egg quality. Our Farmpackers are designed to handle eggs with utmost care throughout the packing process.
- **Maximized profits:** With our Farmpackers you will increase your profitability. With enhanced product quality, improved efficiency and reduced labor costs, our solution is geared towards maximizing your profits.

# Functional overview

## Simple and Robust

The Mopack100 offers more advantages than simply having a high net capacity. Vital parts are placed above the egg flow, thereby preventing pollution. To allow an overview of your packing process, see-through plastic materials or perforated sheet metal is used without compromising safety regulations. This allows you to monitor the egg flow, and see that every individual egg is gently placed into the trays.



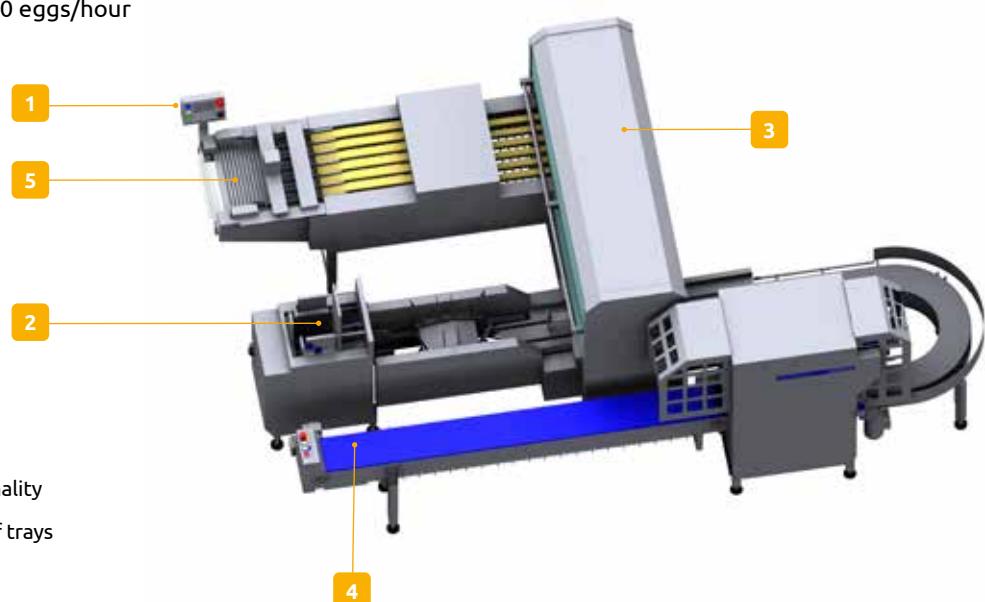
## Continuous inkjet integration

An advantage of the concept is the seamless integration possibility for a continuous inkjet system. These no-maintenance, single headed printers are suitable for rough industrial purposes. The system offers the ideal basis for this, since the eggs travel in series before entering the trays. This enables you to print your eggs using a continuous inkjet printer.

## Overview and efficiency

With various layout possibilities, we can accommodate a good design for almost any egg packing room. A preferred layout is shown below. It is configured in such a way that the operator not only starts and stops the machine (1), but also fills the denester (2), checks the inkjet functionality (3) stacks or places stacks of trays onto pallets (4) and, perhaps most importantly, pre-candles the eggs before packing (5), all from one central position.

## Mopack100 > Cap. 36,000 eggs/hour



- 1** Farmpacker Controls
- 2** Denester filling
- 3** Checking inkjet functionality
- 4** Removes trays/stacks of trays
- 5** Pre-candling

# High capacity Farmpacking

## Mopack150

For situations in which high capacity is required, Moba offers the Mopack150. This intelligent Farmpacker is capable of packing 54,000 eggs/hour and is ideal for large scale farms.

### Mopack150 principle

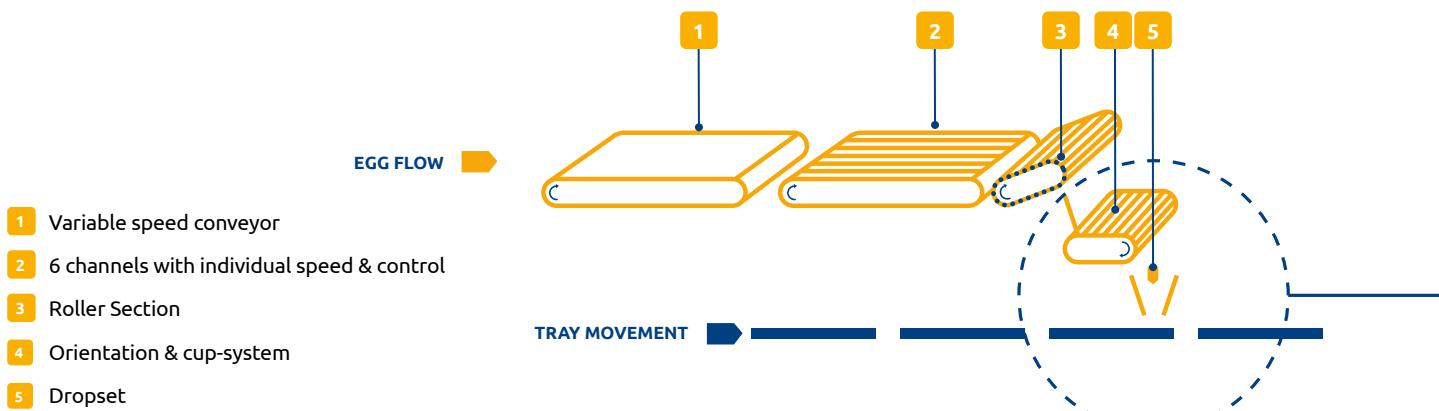
First, the eggs arrive at the accumulator. This accumulator is speed controlled, based on the influx of eggs from the layers' houses. The next accumulator conveyor is divided into six individual channels. Each channel is speed controlled in such a way that all the eggs are smoothly placed onto the infeed rollers. This results in a continuous movement until the eggs are packed into the trays, with no necessity for waiting for the 6<sup>th</sup> egg, as with a conventional Farmpacker with packer head.

After the entry ports, the eggs will be oriented on a small roller section and placed point forward onto transport cups. The cups are mounted in a way that allows for excellent egg handling. The cups will transport the eggs to

the next stage: the drop system. The conversion to the correct pitch of the tray is also carried out by this cup-system. The drop system itself is also characterised by a continuous movement. Two egg-guides rotate and guide the eggs down with a forward movement equal to that of the continuously moving tray. This way, the eggs are placed with a zero difference in speed. The result: even the weakest eggs are placed in the trays perfectly.

### Hygiene & Cleanability

All the egg-touching parts of the Mopack150 can be removed from the machine for cleaning outside egg packing room. The main advantage of this construction

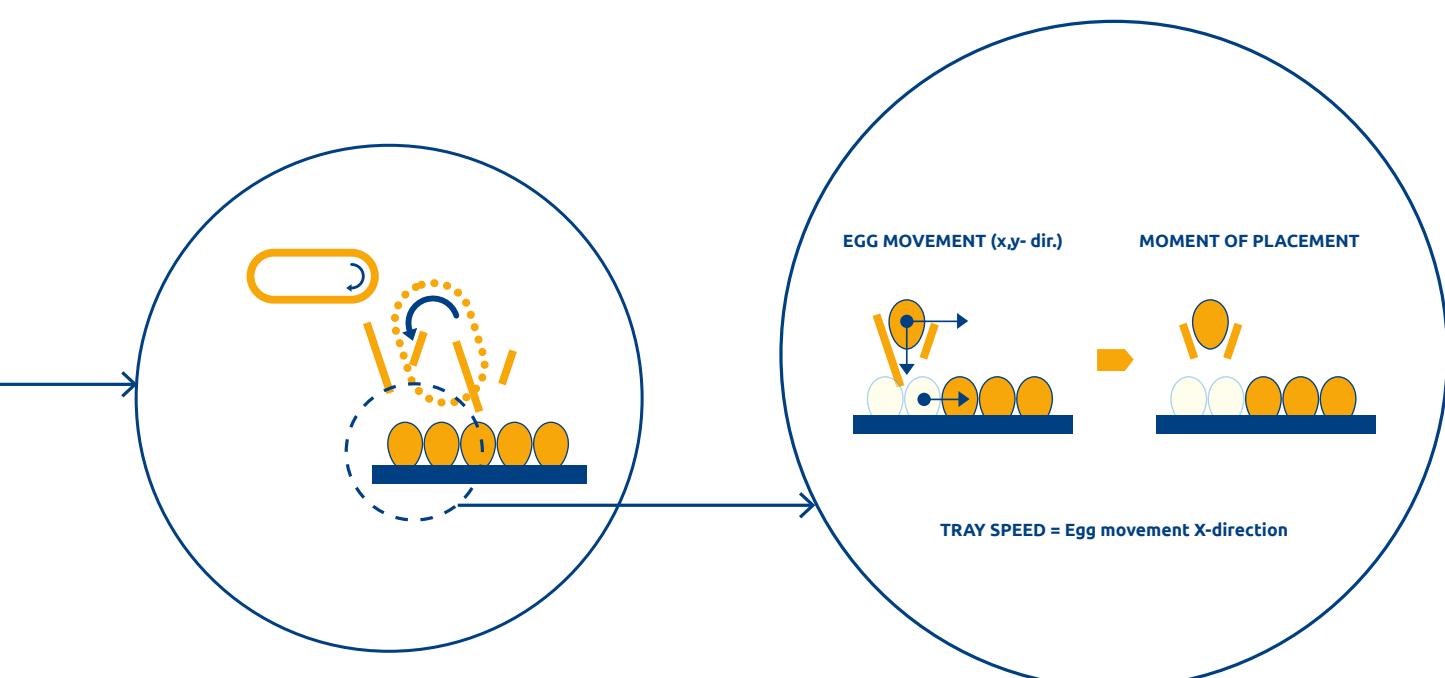




method is that this allows for a hygienic and clean packing process. This will ultimately result in more grade-A eggs being supplied to your egg retailer.

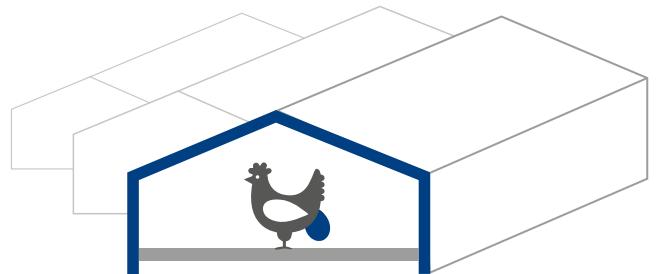
### Efficiency and future proof

The Mopack150 is perfect if you want to further optimize your packing process and prepare for further automation. For example, the Mopack150 can be seamlessly coupled to a Moba Traysplicer (MR40). This creates a Farmpacking station with hardly any manual labour.



# Rerepacking process

## Mopack R

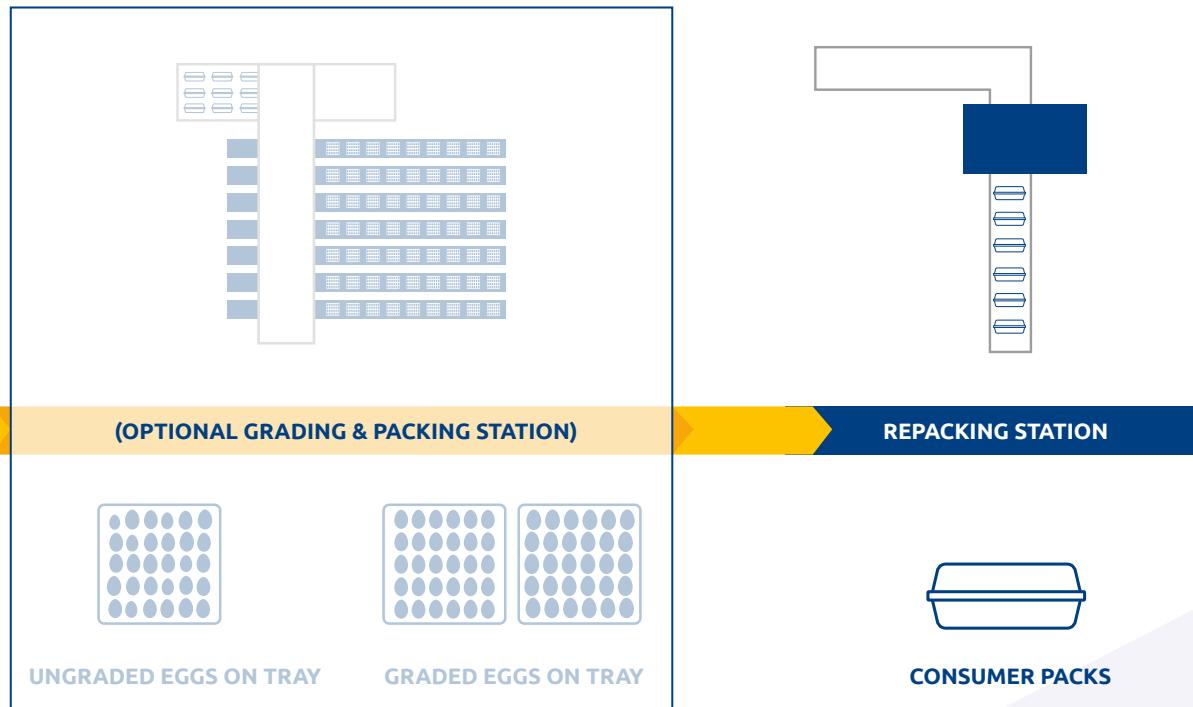


### LAYER HOUSES

Mopack R is a system that can pack eggs directly into consumer packs. The eggs can come in directly from the chicken houses, just like in any Farmpacker, or from trays via an optional loader, making it a Repacker. The system is based on the Mopack 100 technology and has all the same advantages, but using a different type of packing conveyor and denester, which allows you to process different types of packaging.

Repackers are used in situations where grading eggs is not required, and farm eggs are directly packed into consumerpacks. Incoming eggs can be sent to the machine directly from the chicken houses or by using a loader. This last situation is also used to re-process graded eggs on trays into consumerpacks.





## Farmpackers capacity ranges

Moba developed multiple machines ranging in functions and capacities to ultimately fit your needs, as indicated in the table below.

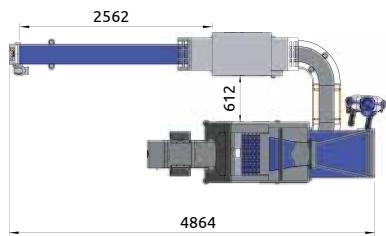
Type	Gross cases/hour	Gross eggs/hour	Typical capacity	Typical capacity
Mopack EP	75	27,000	> 64 cph	23,000
Mopack100	100	36,000	96 cph	34,560
Mopack150	150	54,000	Variable depending on influx of eggs	
Mopack-R	84	30,000	80 cph	28,800

The typical capacity depends on various factors, including egg supply, operation and control of the egg belts that are connected to the Farmpacker. By means of the smart control of the accumulator Moba Farmpackers are best capable to handle variations in the egg flow, offering the highest typical capacity in the industry.

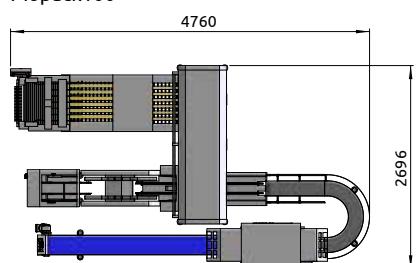


Use the smart advisory tool on the home page of [www.moba.net](http://www.moba.net) to find out which packer type best suits your need! Based on your input on and your preferred working hours we can make an advise on the required capacity and packer type. Download the additional whitepaper for more information.

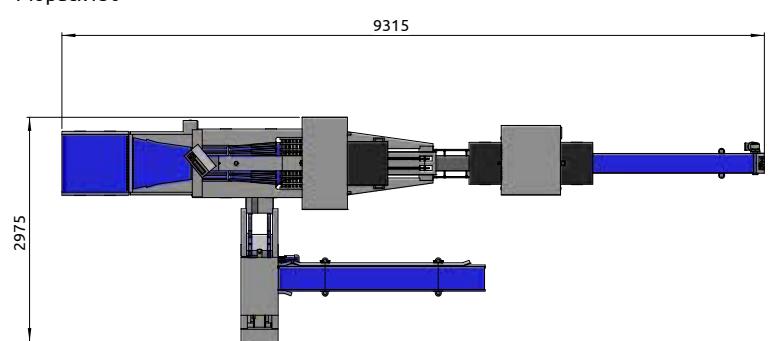
Mopack EP



Mopack100



Mopack150



Scale: 1:100

Depending on your configuration the layout may vary.



# We listen. We learn. We innovate.

**850** employees worldwide

**200** service colleagues

**111** countries represented

**36** agents around the world

**27** languages spoken

**13** offices worldwide

**11** spare parts warehouses worldwide

**1 team to support you!**



# MOBA

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