

MOBA

GRADING - PACKING - PROCESSING

Farmpackers

MOPACK 55/70 | MOPACK 100 | MOPACK-R | MOPACK 150



PROFIT STARTS WITH CARE

www.moba.net

Mopack 100*Mopack 150*

The farmpacker designed for your profit

Mopack farmpackers are designed for your profit. High performance machines with net capacities close to the theoretical maximum coupled with well built robust designs. Their low-maintenance technology with their hygienic and easy to clean construction makes these farmpackers reliable and hard working companions for many years to come.

Concept: “The gentle touch”

A fundamental principle of all Mopacks is the continuous flow of eggs. Many farmpacker concepts wait until there is one complete row of 6 eggs directly coming from an accumulator. Only then, the packer makes a movement, receives these eggs and in the same time places 6 previously fetched eggs in a tray. But when one egg is missing or in one channel there is not enough pressure to push this 6th egg forward, the other 5 eggs will have to wait and the whole farmpacker process stands idle.

Not in Mopack. In Mopack 55, 70, 100 and 100-R eggs are accumulated and put on rollers independent of the packing process. If one egg is missing in the flow, it is only this single egg. Thanks to the track (or carrousel) function, the rest of the process continues. The loss of efficiency is limited to fractions of a second. The Mopack 150 uses 6 rows in parallel and does not use a carrousel. In this concept a smart accumulating system ensures a full roller conveyor. Due to this innovation a continuous egg flow is also ensured without waiting for the 6th egg. The result of these concepts is a much better performance and a net production that is very close to the theoretical maximum capacity. There are hardly any reasons for stopping; the

well known and reliable Moba denester ensures the correct handling of all known tray types.

Construction

The entire construction is easy to clean. All Moba farmpackers are made of stainless steel and contain Moba’s famous synthetic parts for hygienic and gentle egg handling. All techniques produced by 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.

Inkjet

An advantage of the Mopack 55, 70, 100 concept is the seamless integration possibility for a continuous inkjet system. Since continuous inkjet systems are more suitable for rough industrial purposes than drop-on-demand systems, many customers look for a farmpacker where a single headed industrial no maintenance type can be fitted. The carrousel system offers the ideal basis for this. Mopack 150 does require another type of inkjet with six printing heads.

The carousel function is an ideal basis for continuous inkjet systems

Simple control



Mopack 55/70

This Mopack is robust proven technology built in stainless steel and modern industrial plastics. Via an accumulator the eggs go onto 6 infeed rows where orientation takes place. Then, the transfer places the eggs in the horizontal carousel that gently leads the eggs individually to the dropset. The dropset on its turn, places the eggs gently into the trays. A missing egg on the infeed hardly influences the output efficiency as the system does not have to wait for a 6th egg.

Control system

As most of the systems are linked through robust mechanical actions, the control system is very basic and easy to operate. The machine is started and stopped through simple buttons. The accumulator offers a potential-free contact to stop the incoming egg conveyor if it brings in too many eggs.

Features

- Individual egg handling via horizontal carousel
- Enables the use of continuous inkjet systems
- No waiting for 6th egg, resulting in high net capacity
- Easy to operate

Options

- Automatic tray stacker
- MR 40 Tray Palletiser
- Various pre-accumulating conveyors
- Various tray conveyors
- Egg washers and dryers



A complete process overview from your working position

All technology accessible by opening one cover



Mopack 100

This particular farm packer is a modern version of the Mopack 100 family of which thousands are built and perform day in day out. The latest innovations include a vertical carousel that combines egg transport in one straight line for best egg handling at high speeds with a construction that has as much technology above the eggflow as possible. Next to that it enables a clear view on all critical processes from the operator side of the machine through a transparent cover. By opening this cover there is immediate access for cleaning and maintenance. Due to the individual egg handling concept this machine is highly efficient and the vertical construction furthermore offers a very compact footprint.

Control system

Since the controls are handled by a robust industrial system, simple on and off buttons do the job. However, a counting system is available that can even handle several chicken houses independently. Several functions can be chosen from a simple LCD touch screen menu. The result: advanced technical functions combined with pure simplicity.

Features

- Individual egg handling via vertical carousel
- This enables the use of continuous inkjet systems

- No waiting for 6th egg, resulting in high net capacity
- Construction as much as possible above the eggflow
- Simple touch screen with comprehensive counters and monitor functions
- Easy access for cleaning and maintenance from operator side of machine
- Efficient footprint
- Single main frame construction

Options

- Available in left- and right handed configurations
- Automatic tray stacker
- DF 10 Automatic denester fill systems enable to pre-load a large volume of empty trays
- MR 40 Tray Palletiser
- Function in MR 40 Tray Palletiser to load stacks of empty trays onto empty tray conveyor that automatically feeds the Mopack denester
- Various pre-accumulating conveyors
- Various tray conveyors
- Egg washers and dryers
- Twin-setup offering a total capacity of 200 cases per hour
- One MR 40 Tray Palletiser serving two Mopack 100 systems



Mopack-R uses a vertical carousel



Mopack-R is capable of placing eggs in consumer packs



Mopack-R

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 farm packer or from trays through an optional loader which makes it a repacker. The system is based on the Mopack 100 technology with all the same advantages.

Features

- Individual egg handling via vertical carousel
- This enables the use of continuous inkjet systems
- No waiting for 6th egg, resulting in high net capacity
- Construction as much as possible above the egg flow
- Simple touch screen with comprehensive counters and monitor functions
- Easy access for cleaning and maintenance from operator side of machine
- Packs eggs directly into consumer packs or trays
- Efficient footprint
- Single main frame construction

Options

- In line system
- Hand loader
- Single tray loader, with empty tray stacker and 7 trays set up, stainless steel
- Candling booth
- Closer including box stamping
- Box stamping
- Egg stamping
- Tray Stacker (stacks 6 full trays with eggs on top of each other)



DF 10 automatic denester fill system enables to pre-load a large volume of empty trays

With special tooling the modules can be disassembled for external cleaning



Mopack 150

In order to combine even higher capacities with “The gentle touch” the Mopack 150 does not have a carousel but uses a continuous straight through system. At first eggs are accumulated in a way that the system predicts the availability of eggs at the entry ports of the packer some seconds in advance. The packer will then adjust the speed so that in a smooth continuous motion all the incoming eggs are packed. This means no waiting for the 6th egg. Vital in this process is a continuous availability of eggs on the incoming conveyor. For high efficiency, Moba strongly recommends an egg supply from 600mm wide or more that is controllable in speed by the Mopack 150. After the entry ports, the eggs will be oriented on a small roller section and will be placed point forward onto transport cups. The cups are mounted in a way that allows excellent egg handling. The cups will transport the eggs to the next stage: the drop system. The conversion to the right pitch of the tray is also carried out by the cup-system.

The drop system itself is also characterised by a continuous movement. Two eggs-guides rotate and guide the eggs down with a forward movement that equals the continuous 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.

A very special feature is that the main components (accumulator, roller conveyor and packing system) can be dismantled for high pressure cleaning outside the egg-room.

Control system

An intelligent control system adjusts the speed of the farm packer as soon as the incoming egg flow is insufficient

to run on the highest speed. The system is also equipped with an analogue output that controls the speed of the incoming egg conveyor if this is equipped with frequency inverters. (Highly recommended for the highest net efficiency). The machine can be controlled and monitored via a color touch screen in a very comfortable way.

Features

- Highest speed on 6 rows in the industry
- Continuous drop system without waiting for a 6th egg offering best possible egg handling
- With special tooling the modules can be disassembled for external cleaning
- Standard automatic Tray Stacker

Easy to use touch screen



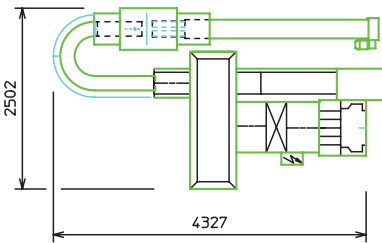
Continuous Drop System



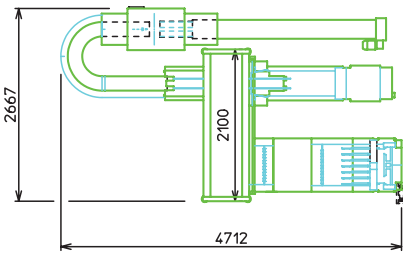
Options

- Available in left- and right handed configurations
- DF 10 Automatic denester fill systems enable to preload a large volume of empty trays
- MR 40 Tray Palletiser
- Function in MR 40 Tray Palletiser to load stacks of empty trays onto empty tray conveyor that automatically feeds the Mopack denester
- Various pre-accumulating conveyors
- Twin setup offering a total capacity of 300 cases/hour
- One MR 40 Tray Palletiser serving two Mopack 150 systems.

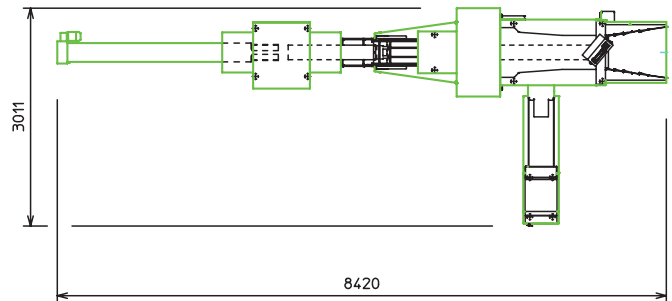
	Mopack 55	Mopack 70	Mopack 100	Mopack-R	Mopack 150
Capacity cases per hour	55 cph	70 cph	100 cph	84 cph	150 cph
Capacity eggs per hour	20,000 eph	25,000 eph	36,000 eph	30,000 eph	54,000 eph
Footprint (mm)	4327 x 2502	4327 x 2502	4712 x 2667	8069 x 2660	8420 x 3011
Type inkjet	singlehead continuous inkjet	singlehead continuous inkjet	singlehead continuous inkjet	singlehead continuous inkjet	6 printinghead cartridge system
Type	horizontal carrousel	horizontal carrousel	vertical carrousel	vertical carrousel	6 rows parallel
Voltage	200-230 Volt or 380-415 Volt, 3 phase + o 0,5 KVA	200-230 Volt or 380-415 Volt, 3 phase + o 0,5 KVA	200-230 Volt or 380-415 Volt, 3 Phase + o 2,5 KVA (without Tray Stacker)	200-230 Volt or 380-415 Volt, 3 Phase + o 2,5 KVA (without Tray Stacker)	200-240 Volt or 380-415 Volt, 3 Phase + o 2,0 KVA (without Tray Stacker)
Power Consumption	(without Tray Stacker)	(without Tray Stacker)	Stacker)	Stacker)	Stacker)



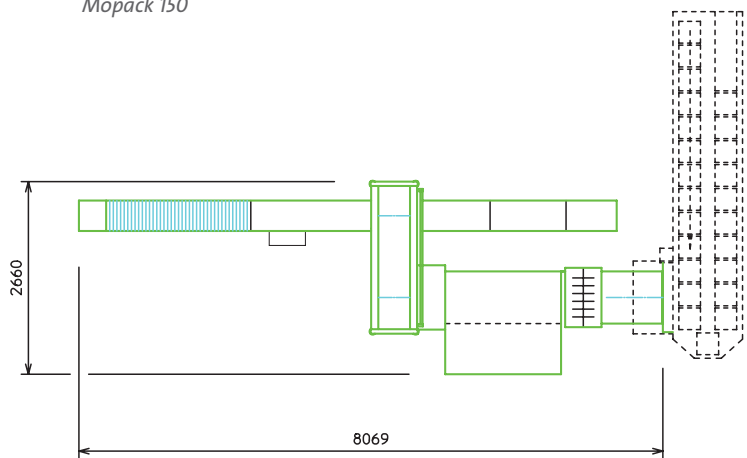
Mopack 55-70



Mopack 100



Mopack 150



Mopack-R

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