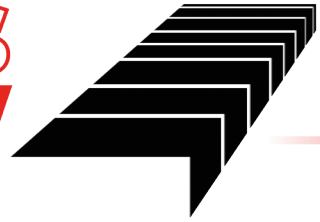


**JONGERIUS
HANCO BV**



Your Primary Partner in Secondary Packaging

Our Company

Jongerius Hanco B.V. is a well-known and trustworthy supplier of complete lines for the secondary packaging industry. We have equipped numerous companies, from local family businesses to multinationals worldwide, with our innovative and reliable solutions.

Whether your wish is to increase efficiency, decrease costs or to automate your secondary packaging line, we will provide you with a well-thought-through solution. Complete fully or semi-automated packaging lines, stand-alone machines and quality control machines are all within the range of possibilities. The flexibility of our company ensures an efficient and fast purchase and production process.

We pride ourselves in the quality and durability of our products. We strive to have a custom made solution for every multipackaging enquiry. Our Research and Development department is continuously reacting to the ever-changing demands of the multipackaging market.

Our machines are primarily made for secondary packaging into pre-made (biodegradable) plastic sacks. The machines can also be adapted for use with other secondary packages, such as paper bags and duplex-cartons.



Mr. R. van der Meer, CEO



Jongerius Hanco Head Office and Production Facility

Product Range

Quality control

Is your top priority to deliver an end product of the highest quality? Then our Bag Inspector is a crucial part of your secondary packaging line. This state-of-the-art machine performs ultimate quality control on your primary packaging, checking seal quality and air fill. Only approved bags successfully pass through the Bag Inspector to continue in your packaging line.

Fully Automated Packaging

The fully automated machines function directly in line with a bag maker, without the need for human interference in the packaging process.

They are compatible with all sorts of products, as long as the product is bagged.

We offer two types of fully automated machines:

- ACM
- ACM In Line

Semi-Automated Packaging

The semi-automated machines are designed to combine the output of multiple bag makers, making a significant reduction in labor possible.

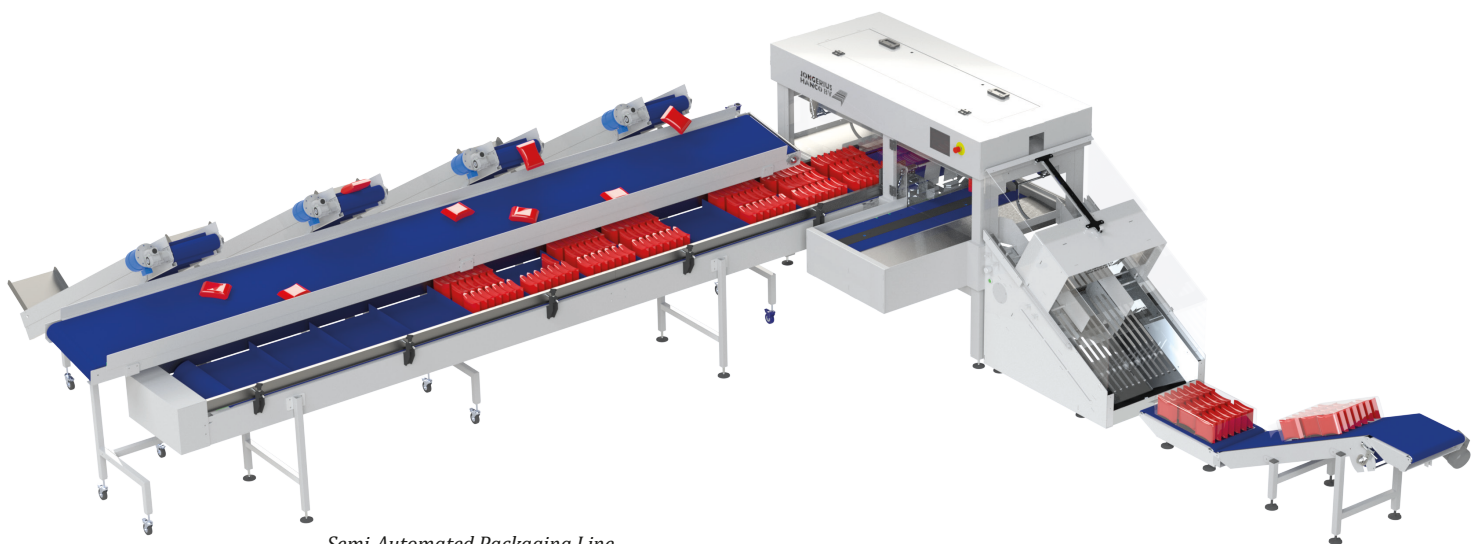
A broad range of product type and size can be processed by these machines.

We offer three types of semi-automated machines:

- Multipack
- Speedpack II or XXL

Optional features

- GIA Sealer
- Waste Suction Unit
- Conveyors

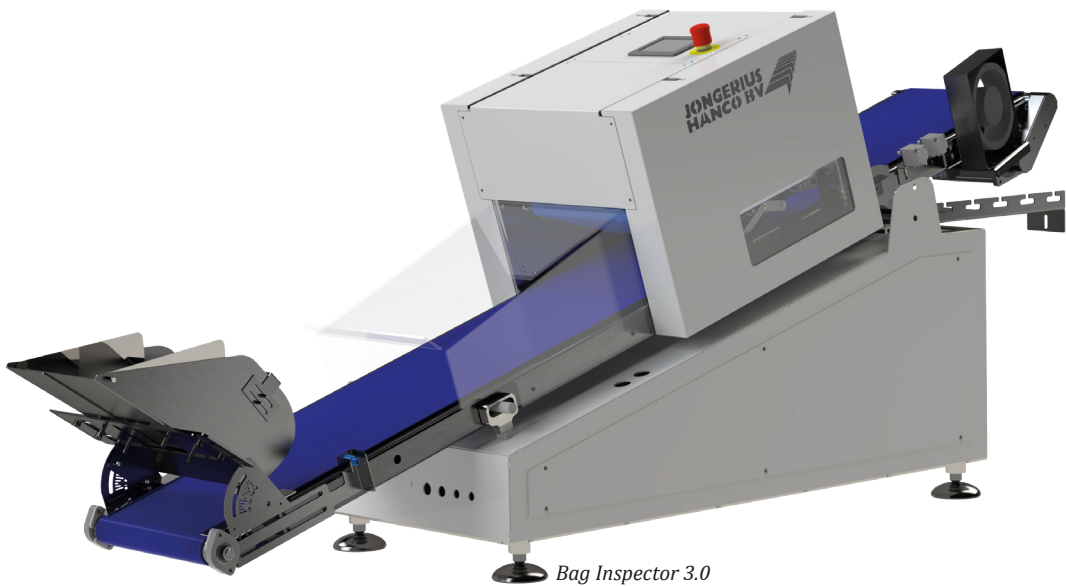


Semi-Automated Packaging Line

Quality Control

Multiple measurements are performed on the bags as they travel through the Bag Inspector to detect any leaks in the seal or package. The Jongerius Hanco Bag Inspector has multiple additional functions. It reconditions bags, rejects bags with a too high or too low air fill and detects and rejects double, empty and non-synchronized bags.

The Bag Inspector can be used as a stand-alone machine or can be placed between the Bagmaker and a secondary packaging machine. We offer two kinds of Bag Inspector, the 2.0 and the 3.0. The Bag Inspector 3.0 can handle larger product because of its increased dimensions.

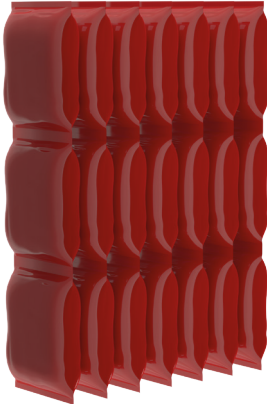
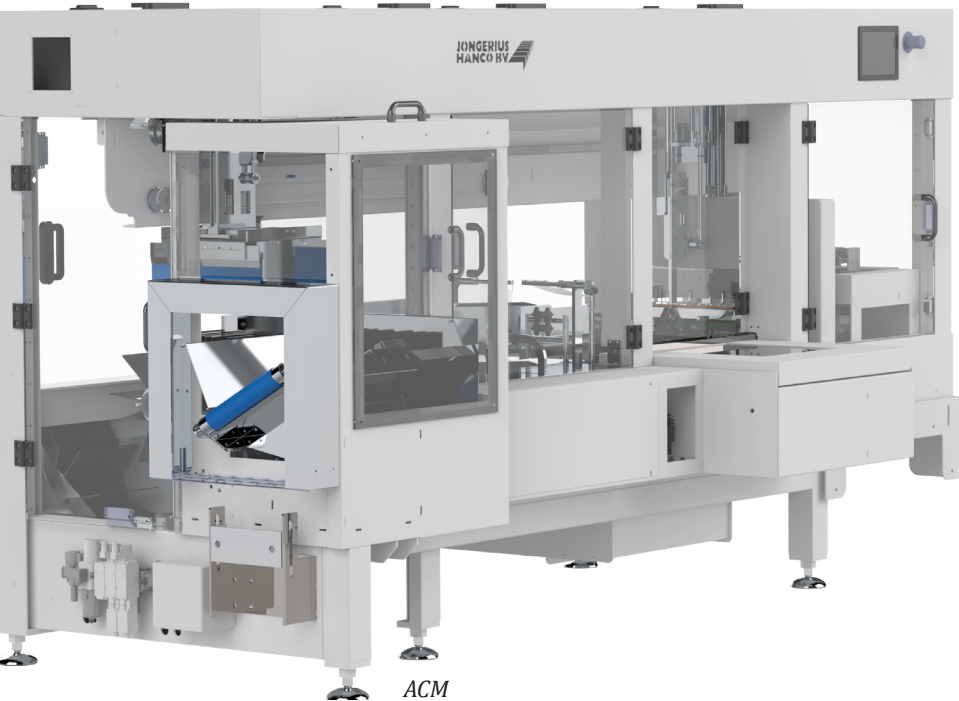


		Bag Inspector 2.0	Bag Inspector 3.0
Input Capacity (bags/minute)		140	140
Primary Bag Dimensions (mm)	Max. Length	500	500
	Max. Width	210	300
	Min. Air Fill	30	15
	Max. Air Fill	90	120
Machine Dimensions (mm)	Length	1673	2282
	Width	569	530
	Min. Height Shoot	640	433
	Max. Height Shoot	1075	735
	Min. Height Output Side	497	784
	Max. Height Output Side	747	941
Electricity Usage	Electricity	230/400 V, 50/60 Hz, 3ph, N/gnd	230/400 V, 50/60 Hz, 3ph, N/gnd
	Total Power	2 kW, 5 Amp	2 kW, 5 Amp
	Air Pressure	1 Bar (14,5 PSI)	1 Bar (14,5 PSI)

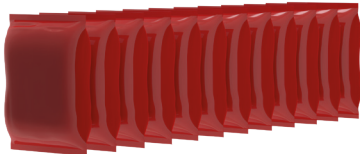
Fully Automated Packaging

The ACM (Aligning Collating Multipackaging) machine aligns the products in rows and neatly arranges them inside the compression unit according to your preferred pattern. From here the product is gently pushed into a (biodegradable) pre-made wicketed sack that is pre-inflated by a built-in fan. The filled sack is immediately hot sealed by the integrated sealer.

There are two types of ACM: the ACM and the ACM in Line. The end product of the ACM is a multipack consisting of multiple rows of product, whereas the end product of the ACM in Line is a single row multipack.



End product of the ACM



End product of the ACM in Line

		ACM	ACM in Line
Input Capacity (bags/minute)		140	100
Maximum Primary Bag Dimensions (mm)	Length	210	190
	Width	185	150
Maximum Multipack Dimensions (mm)	Length	500	510
	Width	400	150
Maximum Outer Sack Dimensions (mm)	Length	750	750
	Width	480	600
Machine Dimensions (mm)	Length	3100	3700
	Width	1260	1060
	Height	1980	2225
Electricity Usage	Electricity	230/400 V, 50/60 Hz, 3ph, N/gnd	230/400 V, 50/60 Hz, 3ph, N/gnd
	Total Power	4 kW, 10 Amp	4 kW, 10 Amp
	Air Pressure	5 Bar (72,5 PSI)	5 Bar (72,5 PSI)
	Air Consumption	325 ltr/min	323 ltr/min

Semi-Automated Packaging

The product is collected from multiple bagmakers and transported to the semi-automated packaging machine. Workers manually place the product into the cleated conveyor belt and organize it in the desired pattern. The pusher arm mechanism pushes the product into the secondary package.

The advantage of a semi-automated packaging machine compared to manual secondary packing is the continuous pace of the cleated conveyor, enabling a steady work flow and constant output of multipacks. The semi-automated machine gives the possibility to work off-line, away from the production line and bag makers. The added benefit of using semi-automated machines is the opportunity to create multipacks with multiple flavours.

We offer three types of semi-automated machines: Multipack, Speedpack II and Speedpack XXL. The Multipack is equipped with a single pusher arm mechanism, whereas both Speedpack II and XXL work with a double pusher arm mechanism, increasing the packaging speed. The Speedpack XXL can produce multipacks with more or larger product than the Speedpack II.



		Speedpack II	Speedpack XXL	Multipack
Output Capacity (multi-pack/min)		25	15	18
Maximum Multipack Dimensions (mm)	Length	500	650	380
	Width	400	500	400
Maximum Outer Sack Dimensions (mm)	Length	650	910	650
	Width	550	570	550
Machine Dimensions (mm)	Length	5370	5887	4800
	Width	2100	2093	1713
	Height	1950	1542	983
Electricity Usage	Electricity	230/400 V, 50/60 Hz, 3ph, N/gnd	230/400 V, 50/60 Hz, 3ph, N/gnd	230/400 V, 50/60 Hz, 3ph, N/gnd
	Total Power	0,25 kW, 1 Amp	0,25 kW, 1 Amp	0,25 kW, 1 Amp
	Air Pressure	5 Bar (72,5 PSI)	5-7 Bar (72,5-101,5 PSI)	5-7 Bar (72,5-101,5 PSI)
	Air Consumption	240 ltr/min	240 ltr/min	240 ltr/min

Optional Features

The semi-automated packaging machines do not have an integrated sealer. However, Jongerius Hanco can supply the Gravity Impulse Auto (GIA) Sealer. It seals the filled multipack using a heat seal and can trim the lip of the sack. The GIA Sealer is directly connected to the semi-automated packaging machine.

The Waste Suction Unit (WSU) can be linked up with the fully automated packaging machine and the GIA Sealer. It collects the trimmed sack lips to avoid clogging of the packaging machine. The residues are collected into a crate inside the WSU. When full, a warning is given by the secondary packaging machine to replace the crate.

Jongerius Hanco provides a variety of conveyors to increase your product transport efficiency to and from the machines.



		GIA Sealer
Output Capacity (multipack/minute)		25
Multipack Dimensions (mm)	Min. Length	250
	Max. Length	750
	Max. Width	600
	Max. Height	180

		WSU
Capacity (lips until full)		2500
Electricity Usage	Electricity	230/400 V, 50 Hz, 3ph, N/gnd
	Total Power	1,5 kW

Service

Jongerius Hanco works closely with its customers during the purchasing phase to ensure the to-be-purchased machines fit the customers' needs perfectly. We offer installation of the machines and training of your staff on site.

Our aftersales department is always available for maintenance questions and the purchasing of spare parts.

Jongerius Hanco offers a service contract for newly purchased machines. Our highly skilled engineers will visit your production facility regularly to control and inspect the Jongerius Hanco machines, ensuring they will perform perfectly.

Jongerius Hanco also offers a built-in remote control system. From our headquarters we can take a look at the performance of your machines. With this information, we can help you increase efficiency.

Jongerius Hanco is and will be your trustworthy partner in innovating your quality control and secondary packaging line.

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