

Packaging Machines Specification Sheet

Labelling, sleeving, wrapping, cartoning, palletizing and depalletizing at line speed.

Six machines covering everything after the filler. Labelling at 15,000 to 30,000 BPH in four configurations, shrink sleeving at 100 to 600 per minute, film wrapping at 25 to 150 per minute, carton packing at 25 to 60 per minute, palletizing at 20 to 80 cartons per minute in three configurations and depalletizing at 500 to 1200 containers per minute.

6 products in this category. Every figure below is published on the product pages at trueglowimaging.com/categories/package-machine.html

Palletizer

HTK-MDJ-01 · Gantry, column or robot

A palletizer running at 20 to 80 cartons per minute under full-auto PLC control with frequency converter speed regulation. Conveying, ordering, stacking, pallet unloading and stack output are all automatic. Three configurations are available: gantry palletizer, vertical column type palletizer and robot palletizer, handling carton or film wrapped packages from beer, beverage, juice, water, dairy and seasoning lines.

Specification

Product Model	HTK-MDJ-01
Working Speed	20-80 cartons per minute, customised
Control	PLC full-auto program control
Speed Regulation	Frequency converter
Automatic Functions	Conveying, ordering, stacking, unloading pallet, stacking output
Types	Gantry palletizer; vertical column type palletizer; robot palletizer
Package Types	Carton or film wrapping packaged products
Minimum Order	One unit
Production Capacity	50 units per month

Key benefits

The Whole Cycle Is Automatic. Conveying, ordering, stacking, unloading the pallet and outputting the stack all run without an operator. A palletizer that still needs someone to feed pallets has not removed the labour.

Three Configurations at One Duty. Gantry, vertical column and robot palletizers differ in footprint, speed and flexibility. The right one depends on how many products and patterns the line runs.

Speed Regulated by Frequency Converter. Variable speed lets the palletizer follow the line rather than forcing the line to match it, which is what keeps the accumulation conveyor from backing up.

Speed Set to Your Line. Working speed is built to customer requirement within the 20 to 80 cartons per minute range.

Where it is used

Palletizing cartons at the end of a beverage filling line • Stacking film wrapped packs of bottled water • Dairy plants palletizing carton packed product • Fruit juice lines stacking finished cases • Beer packaging lines handling multiple pack formats • Seasoning and condiment plants palletizing cases

Carton Package Machine

HTK-ZXP-01 · 25 to 60 cartons per minute

A carton packing machine running at 25 to 60 cartons per minute, built to the working speed your line requires. It packs beer, beverage, soft drinks, fruit juice, pure water, mineral water, dairy and seasoning products into cartons at the end of the filling line. Minimum order is one unit with a monthly production capacity of 100 units.

Specification

Product Model	HTK-ZXP-01
Working Speed	25 to 60 cartons per minute, customised
Application	Carton packing for beer, beverage, juice, water, dairy, seasoning
Minimum Order	One unit

Production Capacity	100 units per month
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Key benefits

Speed Matched to the Filler. A cartoner faster than the filler idles and one slower becomes the bottleneck. Working speed is set to the line within the 25 to 60 carton per minute range.

One Unit Minimum Order. A single machine can be ordered, which is what a line upgrade or a replacement actually needs rather than a package deal.

Stable Running Over Long Shifts. End-of-line machines run every hour the filler runs. Stable operation and long service life are the design priorities rather than headline speed.

Straightforward Operation and Maintenance. Cartoners are usually maintained by line technicians rather than specialists, so ease of maintenance decides how much of the shift is actually productive.

Where it is used

Cartoning bottled beer at the end of a filling line • Packing PET bottles of soft drinks and juice into cases • Dairy products cartoned before palletizing • Bottled and mineral water case packing • Seasoning and condiment packing lines • Replacing a manual case packing station

Depalletizer

HTK-XDJ-01 · 500 to 1200 CPM

A depalletizer running at 500 to 1200 containers per minute, customised to line speed, for beer, beverage, soft drinks, fruit juice, pure water, mineral water, dairy and seasoning production. It takes packaged products off incoming pallets and feeds them onto the line, with a design focused on safe and stable running, low power consumption and long service life. Minimum order is one unit with 50 units produced per month.

Specification

Product Model	HTK-XDJ-01
Working Speed	500-1200 CPM, customised
Application	Depalletizing packaged products
Design Characteristics	Safe and stable, less power consumption, long service life
Minimum Order	One unit
Production Capacity	50 units per month

Key benefits

Feeds the Line at Filler Speed. At 500 to 1200 containers per minute, the depalletizer keeps up with high-speed fillers. Manual depalletizing cannot, which is why it is usually the first automation step at the front of the line.

Safe and Stable by Design. Depalletizing handles unstable stacks of empty containers. Safe, stable operation is the design priority because a collapsed layer stops the line and can injure an operator.

Low Power Consumption. Less power consumption on a machine running the whole shift is where the operating cost of a front-of-line machine is decided.

Speed Built to Your Line. Working speed follows customer requirement rather than a catalogue figure, so the machine matches the filler it feeds.

Where it is used

Feeding empty cans onto a beer canning line • Depalletizing PET bottles into a beverage filling line • Handling glass bottles at the front of a dairy line • Feeding water bottling lines from incoming pallets • Juice filling lines with high container throughput • Replacing manual depalletizing at the start of a line

Shrink Sleeve Labeling Machine

HTK-TBJ-01 · SUS304

A shrink sleeve labeling machine running at 100 to 600 bottles or cans per minute, built in SUS304 and designed to the customer's own requirement. Shrink sleeves wrap the full container, which is what makes them the choice for contoured bottles and for full-body graphics that a wrap-around label cannot cover. Minimum order is one unit with 100 units produced per month.

Specification

Product Model	HTK-TBJ-01
Working Speed	100-600 bottles or cans per minute, customised
Material	SUS304
Application	Shrink sleeving different packaged products
Design	To customer requirement
Minimum Order	One unit
Production Capacity	100 units per month

Key benefits

Full-Body Decoration on Any Shape. A shrink sleeve conforms to a contoured bottle where a paper or adhesive label cannot sit flat. That is the reason to choose sleeving over labelling in the first place.

SUS304 Construction. Stainless construction stands up to the wash-down regime that a filling hall runs on, which a painted frame does not.

Speed Range of Six to One. 100 to 600 containers per minute covers small craft lines through to high-speed water and soft drink bottling on the same machine family.

Designed to Your Requirement. The machine is designed to different customer requirements rather than adapted from a standard build, which matters where container shapes are unusual.

Where it is used

Full-body sleeving of contoured PET bottles • Tamper-evident neck sleeves on beverage bottles • Can decoration where full-wrap graphics are required • Dairy bottles requiring full coverage labelling • Juice bottles with shaped profiles • Promotional packs needing a different sleeve without changing the bottle

Labeling Machine

HTK-TBJ-01 · 15,000 to 30,000 BPH

A labeling machine running at 15,000 to 30,000 bottles per hour in four configurations: hot melt glue, rotary adhesive, linear adhesive and tube labeling. The configuration follows the label material and the container: hot melt glue suits high-speed wrap-around paper labels, adhesive labelling suits self-adhesive film, and tube labelling handles cylindrical containers. Minimum order is one unit with 100 units produced per month.

Specification

Product Model	HTK-TBJ-01
Working Speed	15,000-30,000 BPH, customised
Types	Hot melt glue; rotary adhesive; linear adhesive; tube labeling
Application	Beer, beverage, drinks, fruit juice, pure water, mineral water, dairy, seasoning
Minimum Order	One unit
Production Capacity	100 units per month

Key benefits

Four Configurations at One Duty. Hot melt glue, rotary adhesive, linear adhesive and tube labeling all exist because the label material decides the machine, not the bottle count.

Hot Melt Glue for Cost per Label. On high-volume beer and water lines, reel-fed paper with hot melt glue has the lowest consumable cost per bottle by a wide margin.

Rotary or Linear for Self-Adhesive. Rotary handles high speed with several stations; linear is simpler and cheaper where the line runs slower. Both are quoted so the trade-off is visible.

30,000 Bottles per Hour at the Top End. The upper speed covers high-output water and soft drink lines without moving to a second machine.

Where it is used

High-speed beer bottling with wrap-around paper labels • Self-adhesive labelling of PET water bottles • Juice bottles requiring front and back labels • Dairy containers with cylindrical bodies • Seasoning bottles on a linear labelling line • Tube containers

requiring a wrapped label

Film Wrapping Machine

HTK-MBJ-01 · 25 to 150 pieces per minute

A film wrapping machine running at 25 to 150 pieces per minute for beer, beverage, soft drinks, fruit juice, pure water, mineral water, dairy and seasoning products. Film wrapping is the alternative to cartoning where the pack does not need a printed box, and it costs considerably less per pack in material. Working speed is built to requirement, with a minimum order of one unit and 100 units produced per month.

Specification

Product Model	HTK-MBJ-01
Working Speed	25 to 150 pieces per minute, customised
Application	Film wrapping for beer, beverage, juice, water, dairy, seasoning
Minimum Order	One unit
Production Capacity	100 units per month

Key benefits

Lower Material Cost Than Cartoning. Shrink film costs a fraction of a printed carton per pack. On a water or soft drink line that difference is usually the largest single packaging saving available.

Wide Speed Range. 25 to 150 pieces per minute covers small lines and high-output bottling on the same machine family.

Speed Built to the Line. Working speed follows customer requirement, so the wrapper matches the filler rather than throttling it.

Long Service Life in Continuous Duty. End-of-line wrappers run whenever the line runs. Stable operation and long service life are the design priorities.

Where it is used

Shrink wrapping multipacks of bottled water • Film wrapping trays of soft drink bottles • Beer multipack wrapping before palletizing • Juice bottles wrapped in film packs • Dairy product multipacks • Replacing carton packing to reduce packaging cost

How To Enquire

Send the process rather than a model number: capacity or flow rate, the product being handled, the container format where relevant, and the utilities already on site. WhatsApp +86 150 5517 9418 or email sales@trueglowimaging.com.

Minimum order is one unit on the process, packaging, utility and crane ranges. Machined, fabricated and moulded parts are quoted from single pieces upward.