www.hrgseelong.com

HGDLY®龙延智能

Expertise in making intelligent equipment and providing “Smart Factory” solutions

Hefei Longyan Intelligent Technology Co., Ltd.

Company introduction

企业介绍

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Longyan Intelligence is a national-level high-tech enterprise and a national "Little Giant" firm recognized for its specialization, precision, and innovation. It serves as a professional provider of intelligent equipment and smart factory solutions in China. The company focuses on the research, development, and production of advanced intelligent equipment for industries such as pharmaceuticals, daily chemicals, food, and chemicals; pharmaceutical process equipment; intelligent packaging production lines; integrated applications of robotic palletizing and material handling systems; comprehensive "Smart Factory" solutions; and the design and innovation of various customized automation devices, including industrial automation control systems, digital information systems, and production execution systems.

Longyan has obtained certifications for four major management systems: ISO 9001 Quality Management System, ISO 14001 Environmental Management System, ISO 45001 Occupational Health and Safety Management System, and the intellectual property standard GB/T 29490-2013. The company employs over 300 staff members, including more than 80 R&D personnel, and has filed over 180 patent applications, securing more than 150 authorized patents—including 65 invention patents, 75 utility model patents, and over 20 software copyrights.

Longyan Intelligence owns several subsidiaries, such as Hefei Hanbang Intelligent Technology Co., Ltd., Hefei HRG Longkema Intelligent Technology Co., Ltd., and Hefei HRG Seelong Import & Export Group Co., Ltd.

Adhering to its corporate mission of "Dedicated to manufacturing intelligent equipment and facilitate the digital transformation of industrial production" Longyan upholds the core values of "Innovation, Value, Cooperation, and Responsibility" and strives to become a leader in intelligent equipment innovation for the smart future.

荣誉资质

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- National-level Little Giant" enterprise
- National High-Tech Enterprise
- Certified under ISO9001
- Certified under ISO14001
- Certified under ISO45001
- Has GB/T29490-2013

180+	150+	66+	75+
Applications for patent	Patents	Patents of invention	Patents for utility models

Longyan Intelligent Smart Park

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280 million
Investment

80 mu
Land area









The Longyan Intelligent Technology Industrial Park is located 1 kilometer from the Xinqiao Machinery Factory, covering an area of approximately 80 mu (about 5.3 hectares) with a total investment of around 280 million yuan. It integrates advanced production, R&D facilities, office spaces, living amenities, and leisure entertainment facilities. The park is designed to include five production workshops, one warehouse building, and one comprehensive service building.

Market Sector

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01	02	03	04



Pharmaceutical Industry



Daily chemical industry



Food service industry



Chemical industry

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Product Introduction

Product Series

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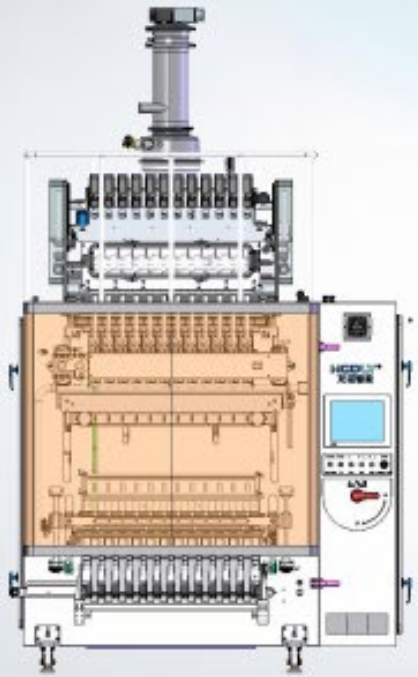
01 Intelligent packaging equipment

NO.1 Multi-lane Stick Pack Machine
NO.2 Intelligent Blister Packaging Machine
NO.3 Vials Blister Packaging machine
NO.4 Vials Blister and Cartoning Packaging Line
NO.5 Fully-automatic Cartoning Machine
NO.6 Fully-automatic PE Film Bundling Machine;
NO.7 Fully-automatic Cellophane Overwrapping Machine;
NO.8 Fully-automatic All-in-one Case Packer
NO.9 Fully-automatic Packaging and Palletizing Machine
NO.10 FFS Heavy-duty Film Packaging Machine
NO.11 Semi-automatic Bagging and Packaging Machine
NO.12 Fully-automatic Bagging and Packaging Machine

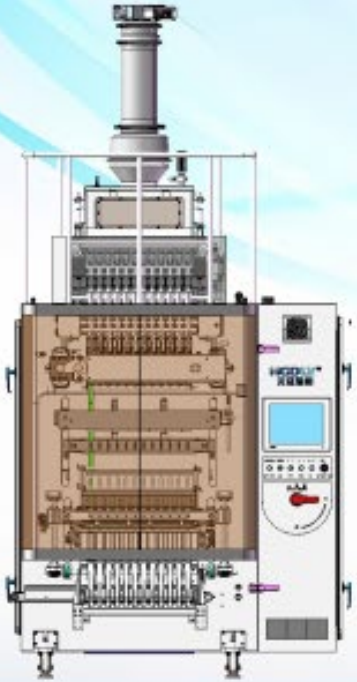
02 Intelligent Packaging Production Line

NO.1 Automated Packaging Production Lines
NO.2 Stick Pack Intelligent Packaging Production Line
NO.3 Alu/PVC Blister Intelligent Packaging Production Line
NO.4 Bottling and Counting Intelligent Packaging Production Line
NO.5 Small-volume Oral Liquid Intelligent Packaging Production Line
NO.6 Large-volume Oral Liquid Intelligent Packaging Production Line
NO.7 Ampoule (Printing/ labeling) Intelligent Packaging Production Line
NO.8 Freeze-dried (Vials) Intelligent Packaging Production Line,
NO.9 BFS Intelligent Packaging Production Line
NO.10 Facial Mask Intelligent Packaging Production Line
NO.11 Water-based Emulsion (Cream) Intelligent Packaging Production Line

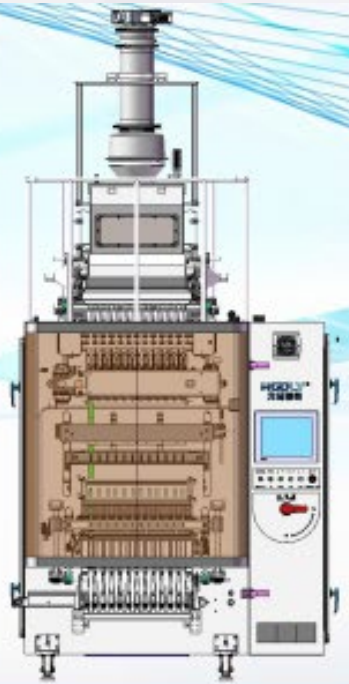
NO.1 Multi-column stick packaging machine



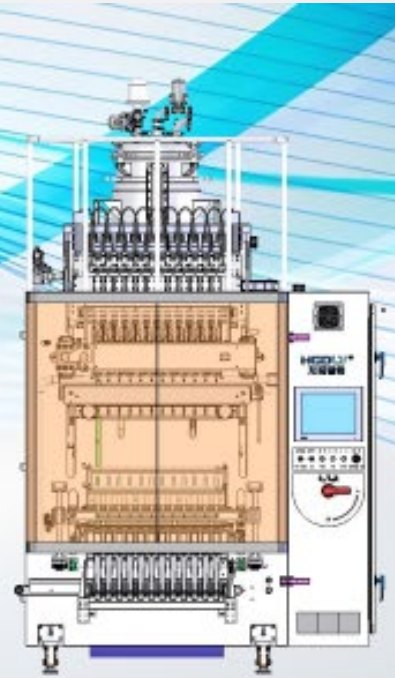
Multi-lane Stick Pack
Machine for powder



Multi-lane Stick Pack
Machine for granules



Multi-lane Stick Pack
Machine for liquid



Multi-lane Stick Pack
Machine for pills

Note: 1. Four models are designed according to the width specifications of the packaging material:
ST980, ST860, ST740, and ST620.

2. The number of lanes varies subject to the product specifications and model: 4–12 lanes.

NO.1 Multi-lane Stick Pack Machine

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Product Introduction

The multi-lane strip pack machine is an automated equipment developed by our company integrating advanced domestic and international technologies, featuring integrated optical, electrical, and pneumatic systems. It is designed for back-sealing packaging of liquids, granules, powders, pills, and other materials, widely used in the food, pharmaceutical, and health supplement industries.

The machine features automatic alarm and shutdown upon film depletion, photoelectric sensors that automatically correct lateral deviations, and adjustable packaging length via touchscreen. The vertical seal employs a 45-degree angle adhesive application with two horizontal sealings: initial heat-sealing followed by cooling embossing (ensuring strong sealing and clear mesh patterns). The horizontal seal edges are rounded with integrated easy-tear tape. The separate feeding system facilitates cleaning (using graduated measuring cups and short augers), ensures precise dosing, and automatically resets after shutdown (with independent vertical and horizontal sealing units). Its compact design occupies minimal floor space.

Granule packaging machine primarily uses volumetric rotating disc or shaking cup adjustment device for measurement.

liquid packaging machine employs ceramic or peristaltic pumps.

Powder strip bag machine utilizes auger metering systems for precise powder dosing.

Number of lanes	Packaging speed	Package size	Dosage	Voltage	Air pressure	Machine weight
6~12 columns	30~70Cut/Min	Bag width:15~50 mm Bag length:50~180mm	1~30g	220/380V	0.5-0.7MPa	2000kg

NO.2 Intelligent Blister Packaging Machine

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Intelligent Roller-type Alu/PVC Blister Packaging Machine DPH260/350



Product Introduction

The roller-type blister packaging machine is a specialized equipment designed for blister sealing and packaging of pharmaceuticals (tablets, capsules, ampoules), food products, medical devices, and similar materials using aluminum (PTP)/plastic (PVC) or Alu (PTP)/Alu (PTP) composite seals. Utilizing positive-pressure forming and flat-pressure heat sealing, it ensures crisp blisters and smooth blister surfaces.

Device Characteristics

Equipped with a 360-degree high-speed rotating suction plate rejection and conveying device, the rejection drive and punching drive share the same reducer, ensuring perfect synchronization between rejection and punching speeds.

The roller mold is equipped with a water-cooling system, ensuring continuous operation of the heat-sealing roller during production. This prevents excessive roller temperature from affecting blister packaging and effectively avoids aluminum foil wrinkling caused by thermal radiation.

The main drive system employs synchronous pulleys and timing belts for transmission, effectively preventing vibration and providing buffering effects during high-speed operation, resulting in reduced equipment noise. The forming, heat-sealing, batch number embossing, and punching stations are each controlled by independent reducers, interconnected via shafts and linkage rods for faster speeds, longer service life, and low noise levels.

Technical Parameters

Model	Cutting speed	Maximum Size Area of the blister forming	Power Supply	Overall dimensions	Total weight
DPH-260	40–150 cuts/minute	260x240mm	21KW	4700x1200x1800mm	3000Kg
DPH-350	40–150 cuts/minute	360x240mm	25KW	4800x1600x1800mm	3500Kg

NO.2 Intelligent Blister Packaging Machine

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Intelligent Alu/PVC Blister Packaging Machine DPP260/350



Product Introduction

The flat-type blister packaging machine is a specialized equipment designed for blister packaging of pharmaceuticals (tablets, capsules, ampoules), food, medical devices, and similar materials using aluminum (PTP)/plastic (PVC) or Alu (PTP)/Alu (PTP) composite sealing technology. Utilizing positive-pressure forming and flat-pressure heat sealing, it ensures crisp blisters and smooth, flat sealings.

Device Characteristics

The lower transmission zone and the upper operating zone of this equipment are completely isolated and sealed with stainless steel plates, preventing cross-contamination between the two zones during operation and facilitating cleaning in both areas.

The batch number station employs heated printing, ensuring clear and legible text. For aluminum packaging, specialized feeders of different configurations can be selected depending on the specific tablet or capsule type. Available feeders include: rotary vibrating track feeding type, push plate type, inclined screen plate type, and capsule filling control type.

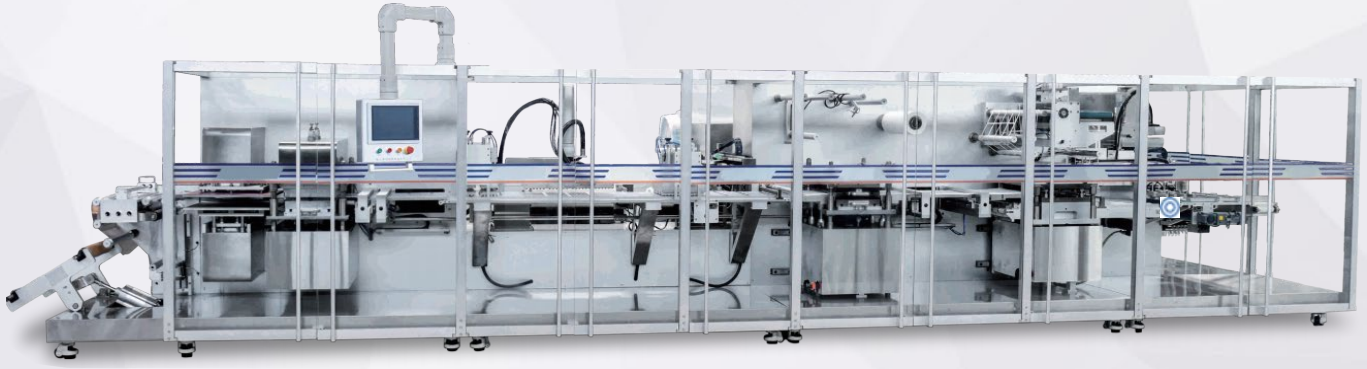
With the universal feeder: The filling rate exceeds 99%, eliminating irregular shapes and chip defects caused by high-speed operation.

After punching, the pharmaceutical blister (finished product) is discharged with the aid of a push rod, ensuring smooth product discharge each time during the punching process and eliminating potential safety hazards for operators.

Technical Parameters

Model	Cutting speed	Maximum Size Area of the blister forming	Power Supply	Overall dimensions	Total weight
DPP-260	40–100 cuts/min	260x240mm	21KW	4700x1200x1700mm	2000Kg
DPP-360	40–100 cuts/min	360x240mm	25KW	4800x1600x1700mm	2500Kg

NO.3 Vials Blister Packaging machine



Product Introduction

The entire unit features a balcony-style design with a modular assembly configuration, suitable for supporting and loading large-sized, specially shaped products such as vials, ampoules, injections (vials), oral liquids, medical devices, and electronic (battery-powered) cosmetics. For non-heat-sealed products like injections, ampoules, and oral liquids, a jar-shaped blister packaging is employed to provide shock absorption. The system utilizes servo drive technology for intelligent integration and rapid operation.

Device Characteristics

The main drive and main motor (or servo motor) are positioned rearward for easier maintenance. Some transmission components utilize timing belts to reduce noise and oil contamination. Station positioning is achieved via manual wheel adjustment, accompanied by a digital position display. The heating station employs an extended silicone heating plate for segmented preheating, enhancing heating and molding performance; additionally, after shutdown, the upper and lower heating plates separate and remain movable to prevent damage to the plastic material's integrity.

The traction mechanism is independently controlled by a servo motor, ensuring smooth operation and precise synchronization. The travel length can be directly adjusted via the PLC control panel according to the user's blister dimensions. The packaging material utilizes bearing-coated rolls supported by a PVC splicing platform, enabling faster roll replacement. The forced feeding employs a downward press-and-suction plate release mechanism, ensuring accurate positioning without damaging the blisters.

Technical Parameters

Model	DPT-350	DPT-420
Maximum punching speed (subject to the ease of feeding)	20-30 times/Min	20-25 times/Min
Total power	8.0KW	9.4KW
Main motor power	2.0KW	2.4KW
Air pressure	≥0.6Mpa	≥0.6Mpa
Overall dimensions (length x width x height)	2800x1170x2100mm	3500x1570x2100mm
Total weight	1500kg	2000kg

NO.4 Vials Blister and Cartoning Packaging Line



Product Introduction

This production line adopts a modular assembly design, suitable for integrated machines capable of handling, loading, laminating, packaging, and cartoning of products with large and specialized shapes, including vials, ampoules, injections (vials), oral liquids, medical devices, electronic products (batteries), and cosmetics.

Technical Parameters

The entire line employs servo drive technology, enabling intelligent integration and rapid operation.
The integrated machine for tray loading, covering, and cartoning is connected; materials are automatically gripped by a servo manipulator and precisely transferred to the feeders.
The cartoning unit is equipped with multiple servo-driven feeders that deliver products precisely onto the chain plate. Featuring a push-back structure, the unit incorporates an ergonomic design for enhanced operational convenience.
The entire working area adopts a balcony-style structure for convenient daily cleaning; the transmission area is enclosed on the back of the machine and isolated from the working area to prevent cross-contamination.

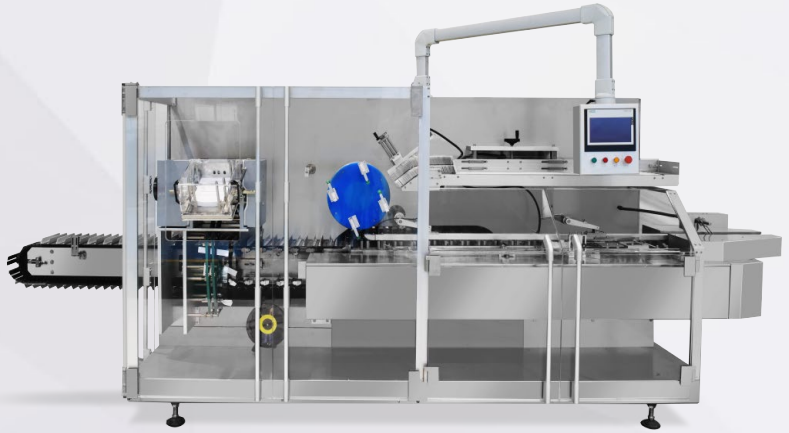
Technical Parameters

Model	DPT350+HC200	DPT420+HC320	DPT600+HC400
Production capacity	80boxes/minute	200 boxe/minute	300 boxes/minute
Carton size range	Max:170x110x70mm Min: 60x30x15 mm	Max:170x110x70mm Min: 60x30x15 mm	Max:170x110x70mm Min: 60x30x15 mm
Total power	16.5KW	19.4KW	21.4KW
Main motor power	1.5KW	2.4KW	4.4KW
Air pressure	≥0.6Mpa	≥0.6Mpa	≥0.6Mpa
Overall dimensions (length x width x height)	10500x1170x1900mm	11800x1570x2100mm	1200x1600x2100mm
Total weight	6600kg	7000kg	7500kg

NO.5 Fully-automatic Cartoning Machines

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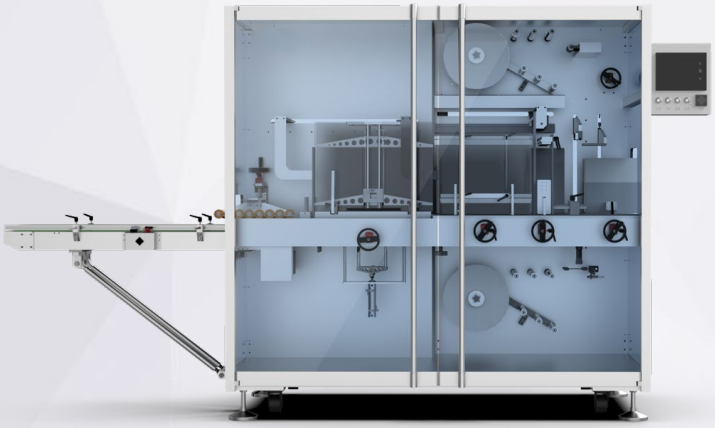


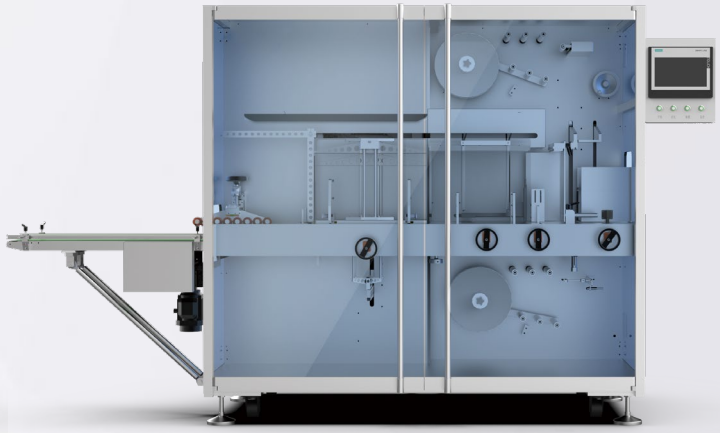
Fully-automatic PE Film Bundling Machines









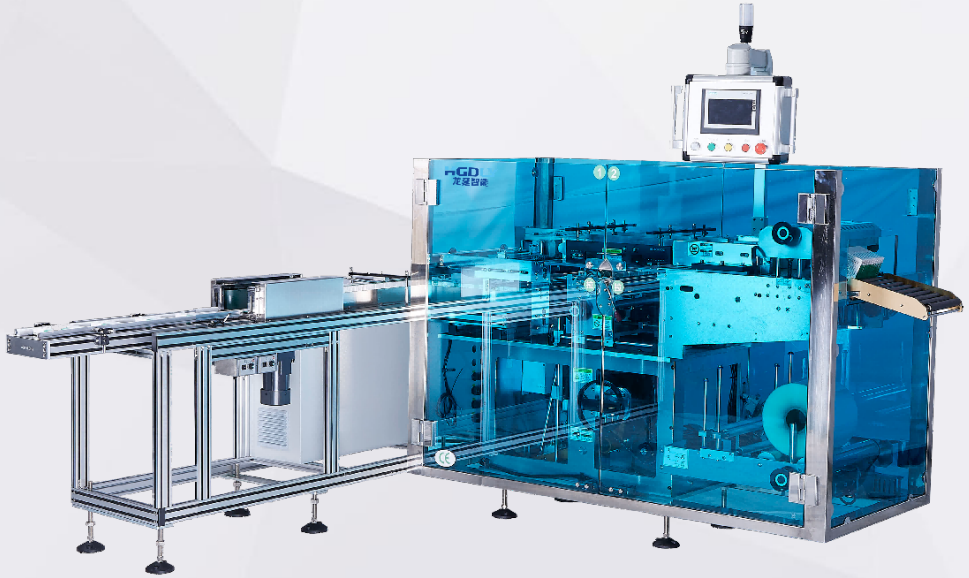




Fully-automatic Cellophane overwrapping Machines



Cellophane Overwrapping Machine T350B



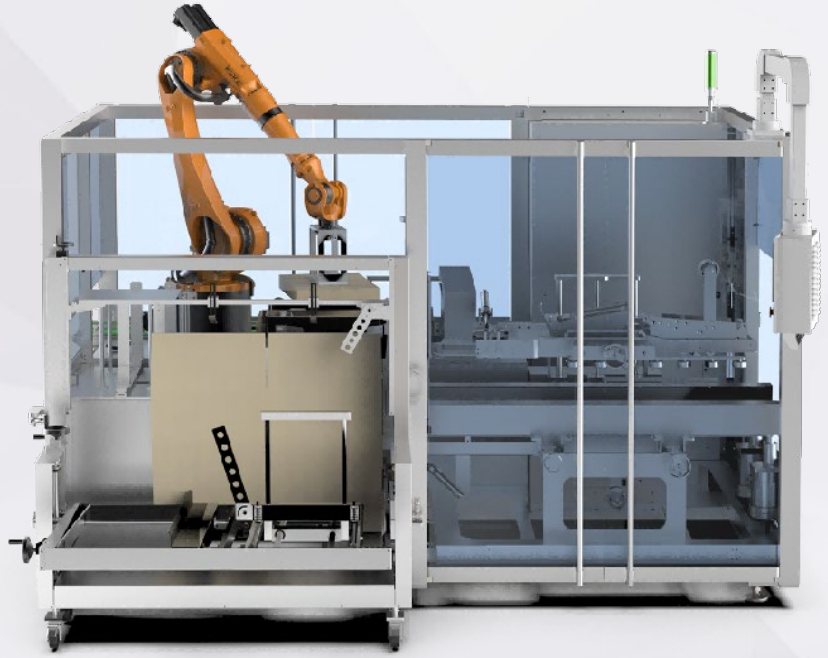
High-speed Cellophane Overwrapping Machine T400

Fully-automatic All-in-one Case Packers

(Case erecting, loading and sealing)



All-in-one Case Packer
KZF550R1



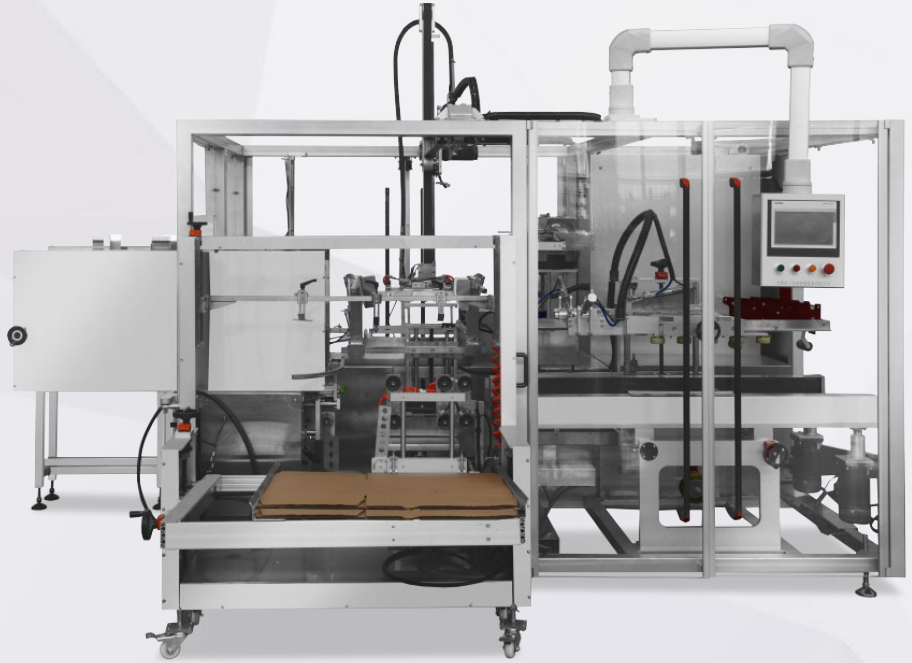
All-in-one Case Packer
KZF550R2

Fully-automatic All-in-one Case Packers

(Case erecting, loading and sealing)

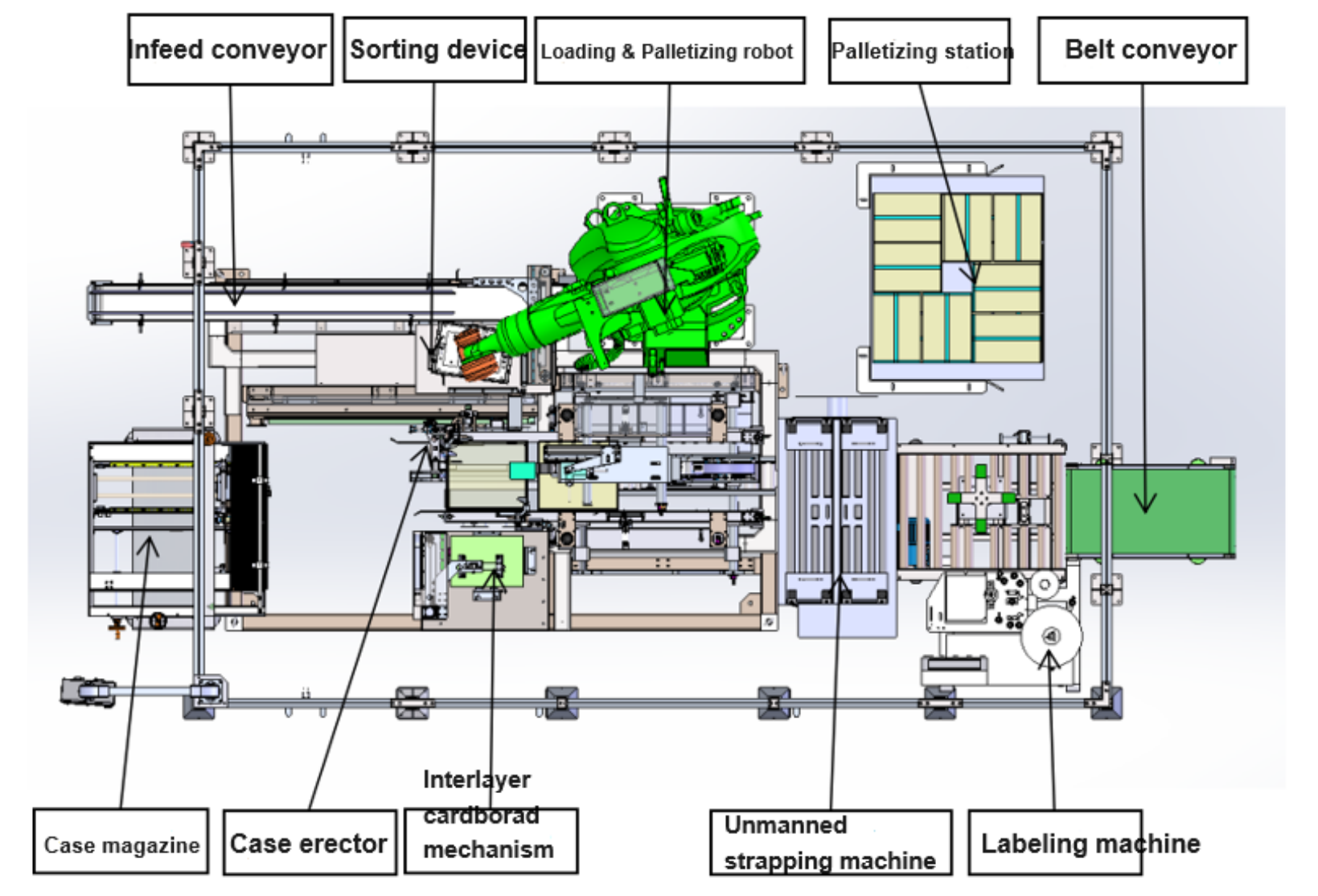


All-in-one Case Packer
KZF550V1



All-in-one Case Packer
KZF550V2

Case erecting, loading, sealing and palletizing workstation KZF550MD



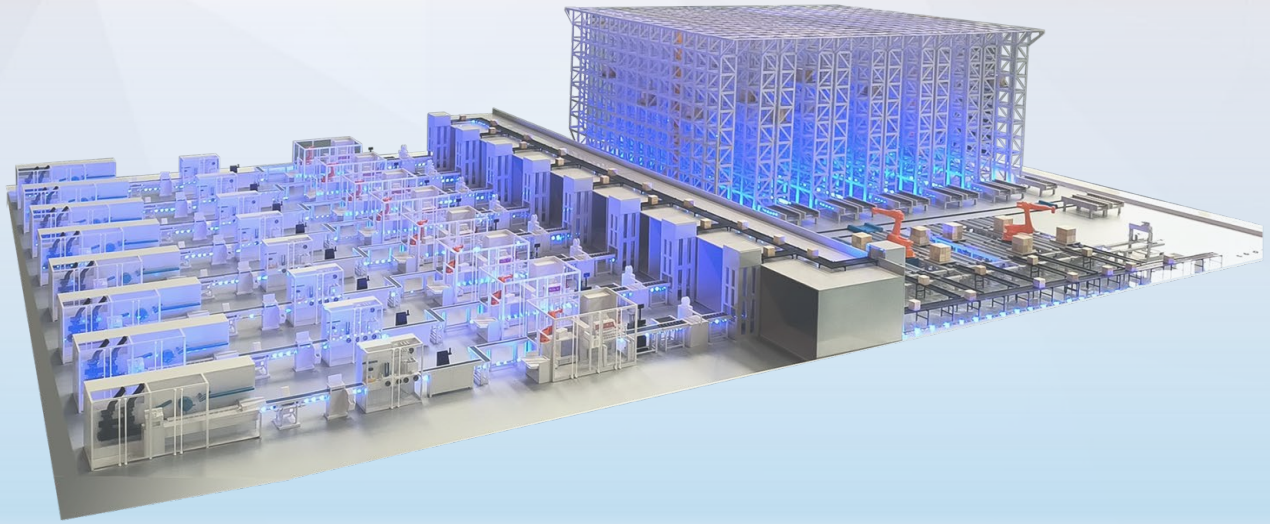
Case Erecting, Loading, Sealing and Palletizing Workstation KZF550MD



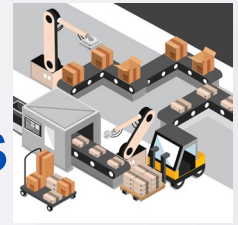
This machine integrates automatic case erecting, loading, sealing, strapping, labeling, and palletizing functions into a single unit.

With external dimensions of just 7m × 5m × 2.8m, it occupies a remarkably small footprint.

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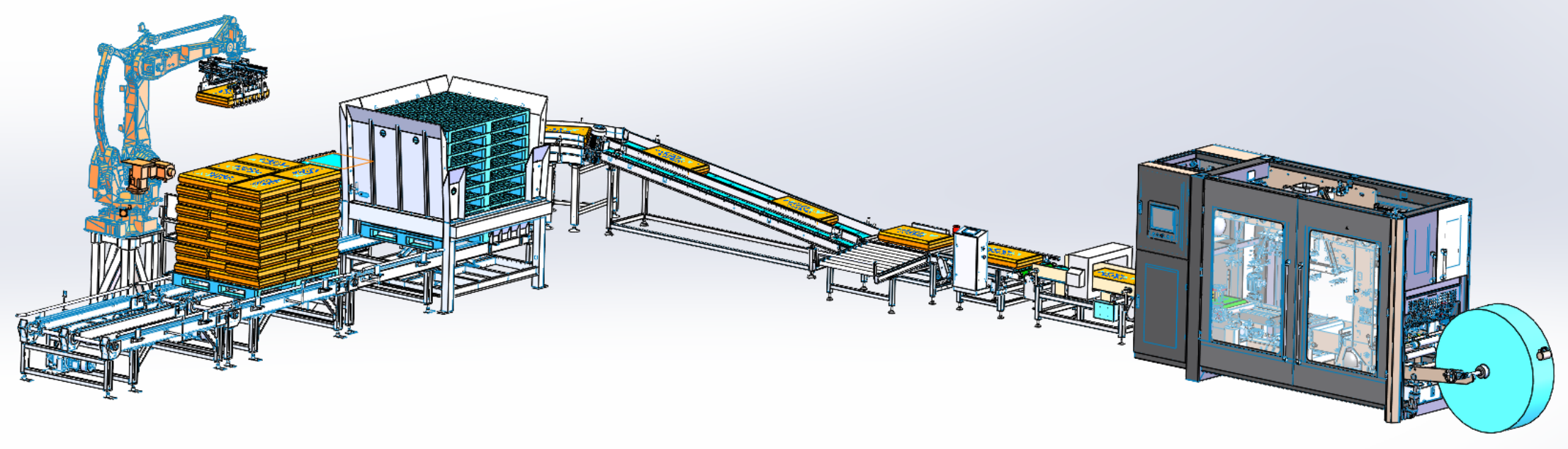


Intelligent Packaging Lines



Core product——Large Bag Packaging Line

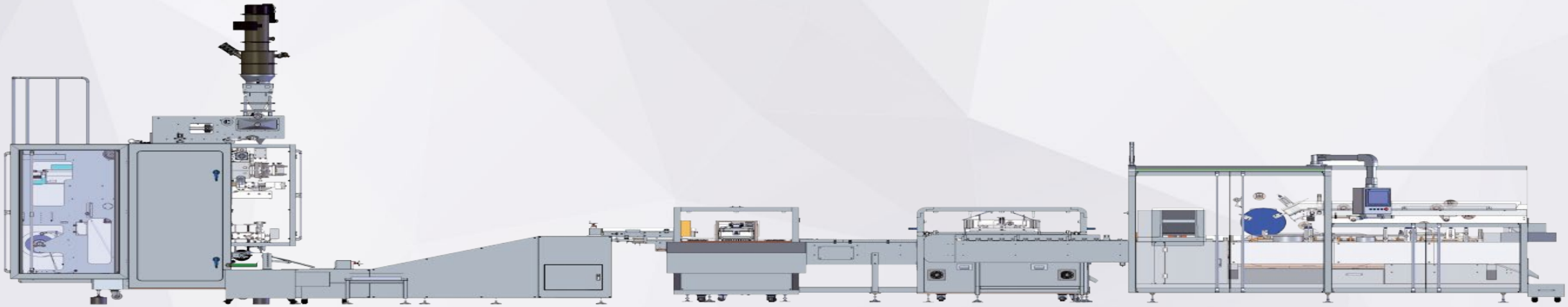
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1. With multiple patented technologies that align with the trends in smart manufacturing, we enable our customers to benefit from new technologies.
2. The FFS heavy-duty film packaging machine automates bag forming, feeding, filling, and sealing; its packaging efficiency is no less than 1,000 bags per hour for granules and no less than 300 bags per hour for fine powders.
3. Automated filling, metal detection, weight inspection, and automatic pallet loading and stacking—all digitally recorded and executed seamlessly in a single, continuous flow, requiring no manual intervention.
4. The fully automated API packaging system enables unmanned production, enhances production efficiency, and reduces costs, featuring world-class technical capabilities.

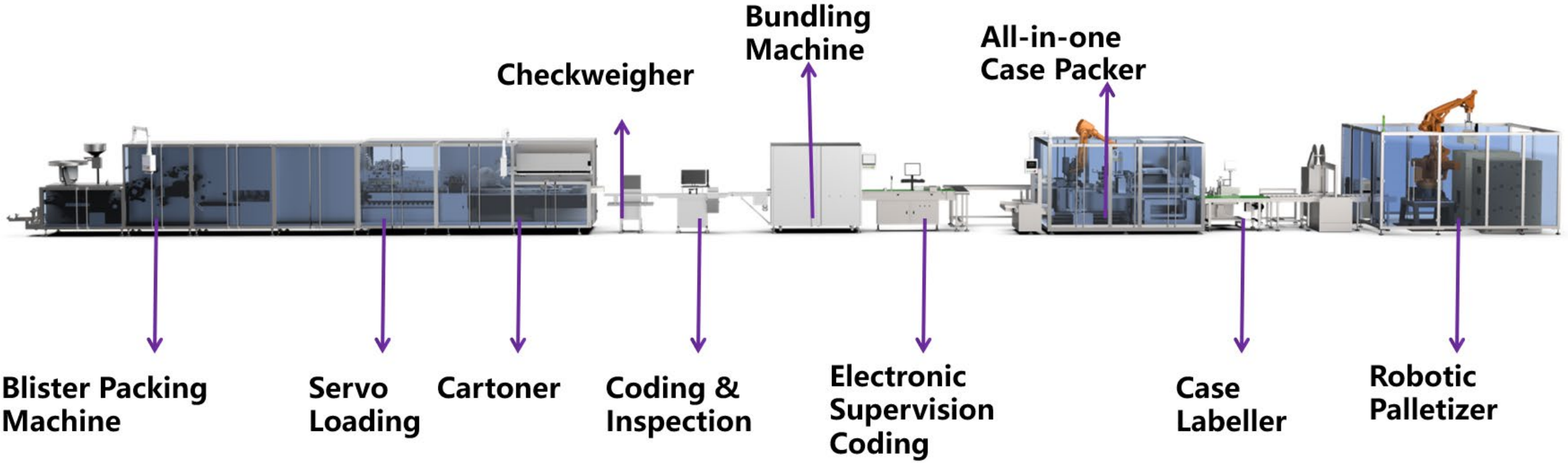
Core product——Multi-lane back-sealing stick packaging line

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Multi-lane stick packaging → Secondary counting → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

This machine is widely used in multi-lane stick-pack packaging production lines for products such as granules, powders, and liquids.



Application: Automatic filling, counting, weighing and cartoning of pellets, powder, liquid and other products

Core product—— Bottling and Counting intelligent packaging line

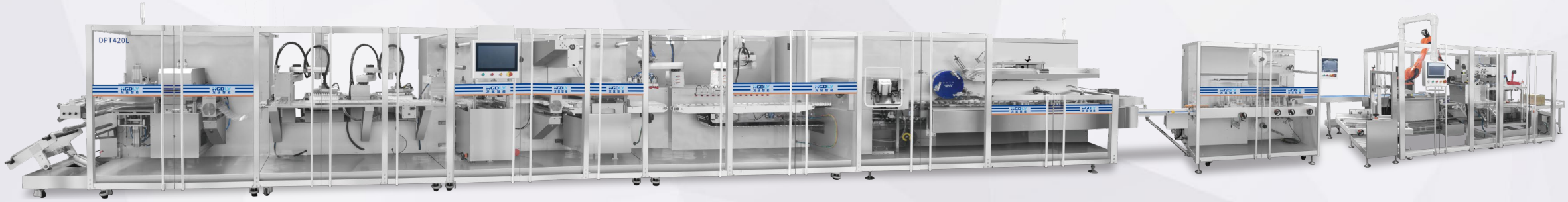
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Bottling and counting → Labeling → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in bottling and counting packaging lines for products such as granules, tablets, and pills.

Core product—— Small volume oral liquid (ampoules and vials) intelligent packaging line

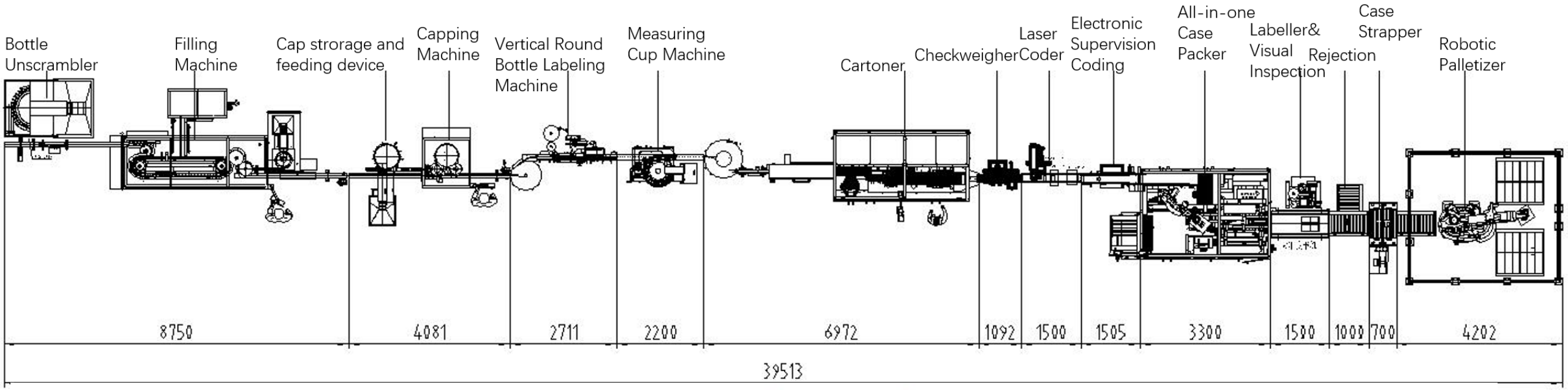


Tray making → Tray loading → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in automated tray forming, tray loading, and cartoning line of oral liquids, ampoules, and vials.

Core product—— Large volume oral liquid intelligent packaging line

HGDLY® 龙延智能

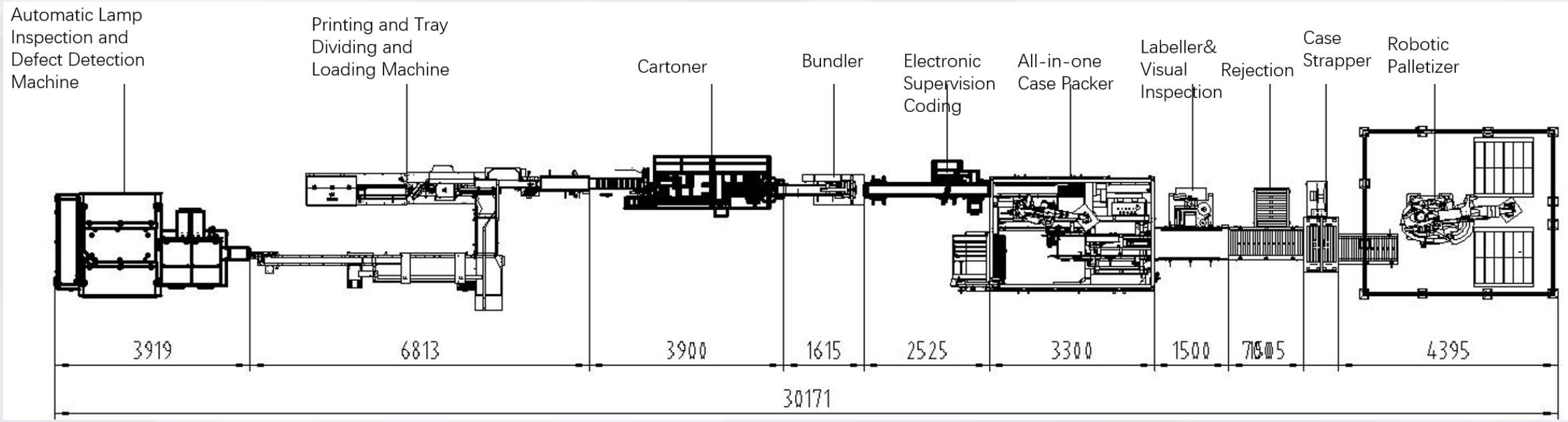


Filling line → Labeling → Cartoning → Chekweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in automated filling and packaging production lines for large-volume oral liquids, lotions, and emulsions.

Core product——Ampoule (Printing/Labeling) Packaging Line

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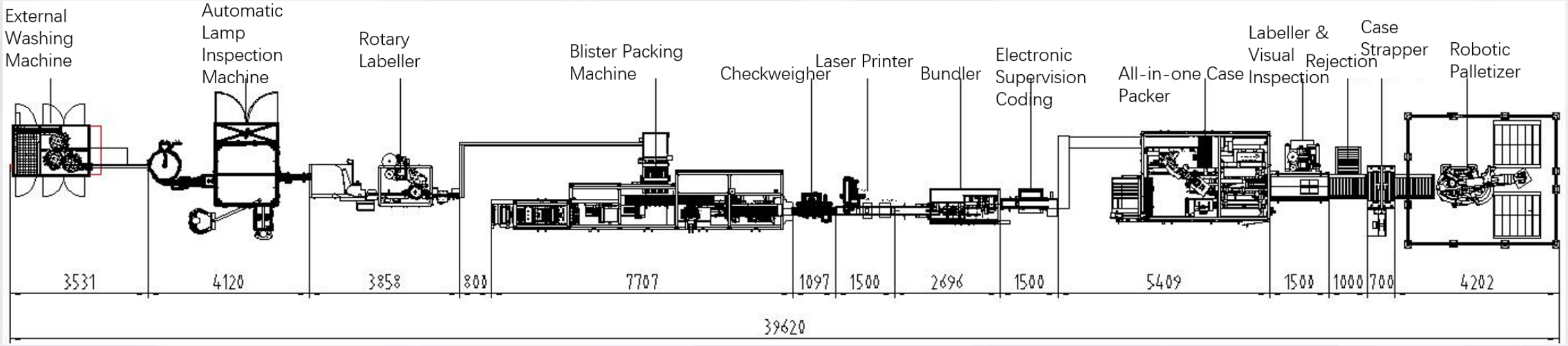


Lamp inspection → Printing and tray loading → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Printing → Palletizing

Widely used in automated packaging production lines for ampoules

Core product——Lyophilized product (vials) intelligent packaging line

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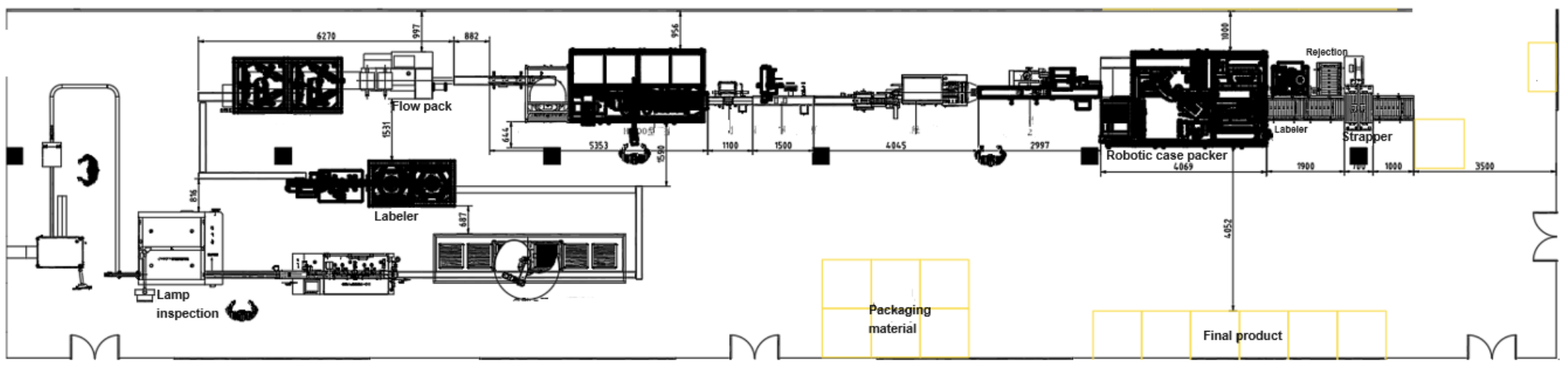


External washing → Lamp inspection → Labeling → Tray making and loading → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in automated packaging production lines of vials and other lyophilized products

Core product——BFS intelligent packaging line

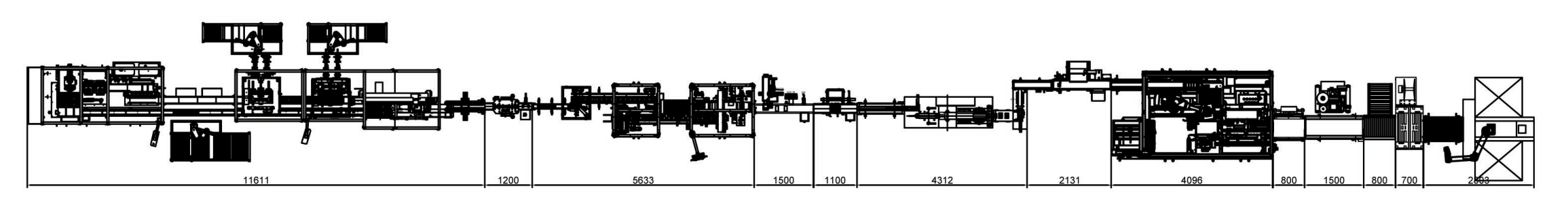
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Inline cache → Lamp inspection → Leak detection → Labeling → Flow pack → Cartoning → Checkweighing → Coding → Wrapping → Tracking → Case packing → Labeling → Palletizing

Widely used in automatic packaging production lines for products such as BFS eye drops and plastic ampoules.
Advantages: Inline caching system, reliable visual inspection and leak detection, and comprehensive solutions
Clients: Santen (Japan), Nanjing Unitel, Lisheng Pharmaceutical, Yuanda Tiantianming, Jiankangyuan Haibin, etc.

Core product——Lotion/emulsion/cream intelligent packaging line

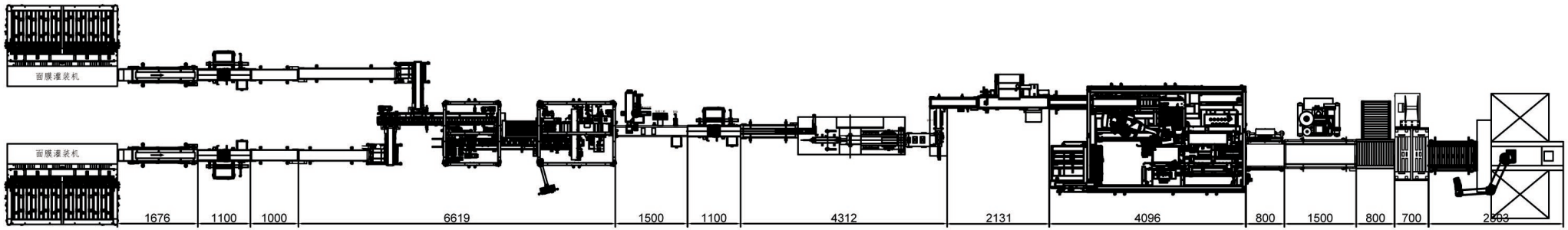


Lotion/cream/gel filling → Inkjet printing and inspection → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in automated packaging production lines for products such as lotions and creams, with a stable speed of ≥60 cartons per minute

Core product——Facial mask intelligent packaging line

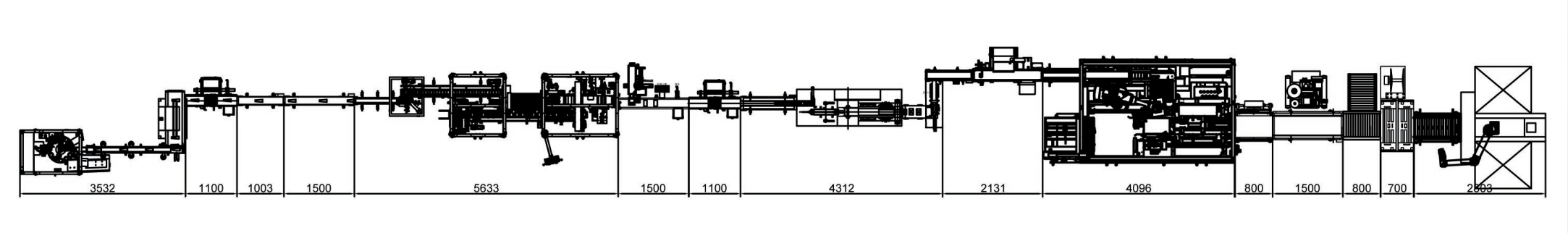
HGDLY® 龙延智能



Facial mask filling → Inkjet printing and inspection → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in: automated packaging production lines for facial mask products, with a stable speed of ≥60 boxes per minute

Core product——Tube intelligent packaging line



Tube filling → Inkjet printing and inspection → Cartoning → Checkweighing → Coding → Bundling → Tracking → Case packing → Labeling → Palletizing

Widely used in: automated packaging production lines for tube products,
with a stable speed of ≥60 boxes per minute

Partial partners

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0551- **63636703**

【QR code for news and events】

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