

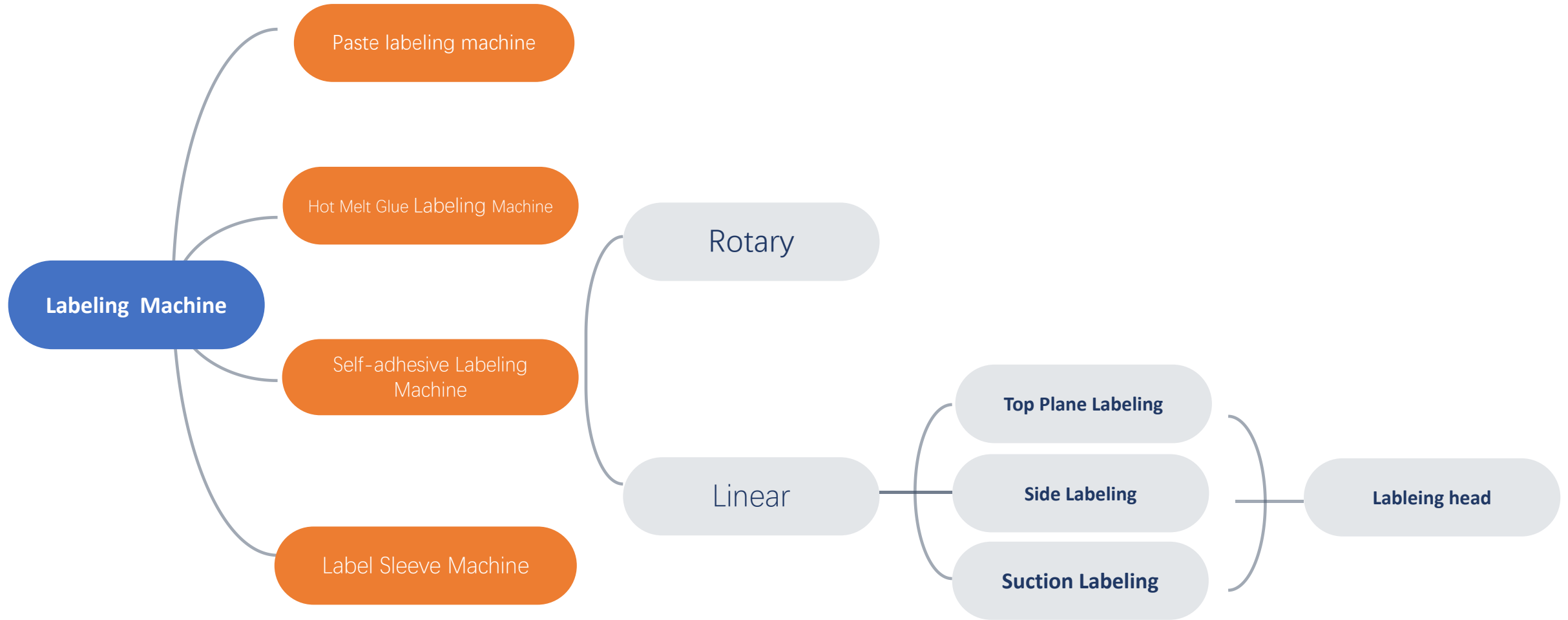


广东飞彬机械集团有限公司
Guangdong Feibin Machinery Group Co.,Ltd.

High-speed Labeling Machine Introduction

———— Since 2013 : Focus on labeling machine and intelligent automation machine

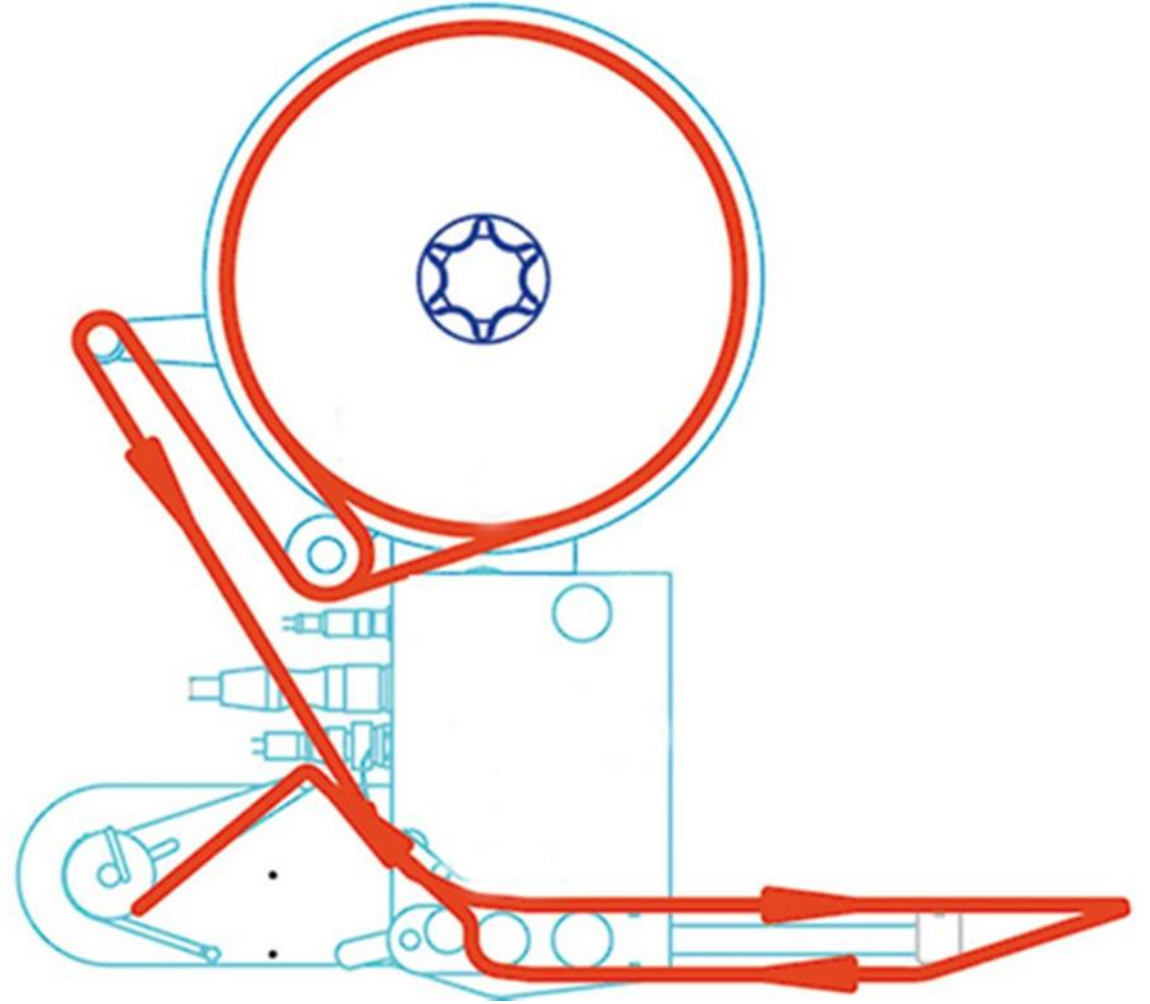
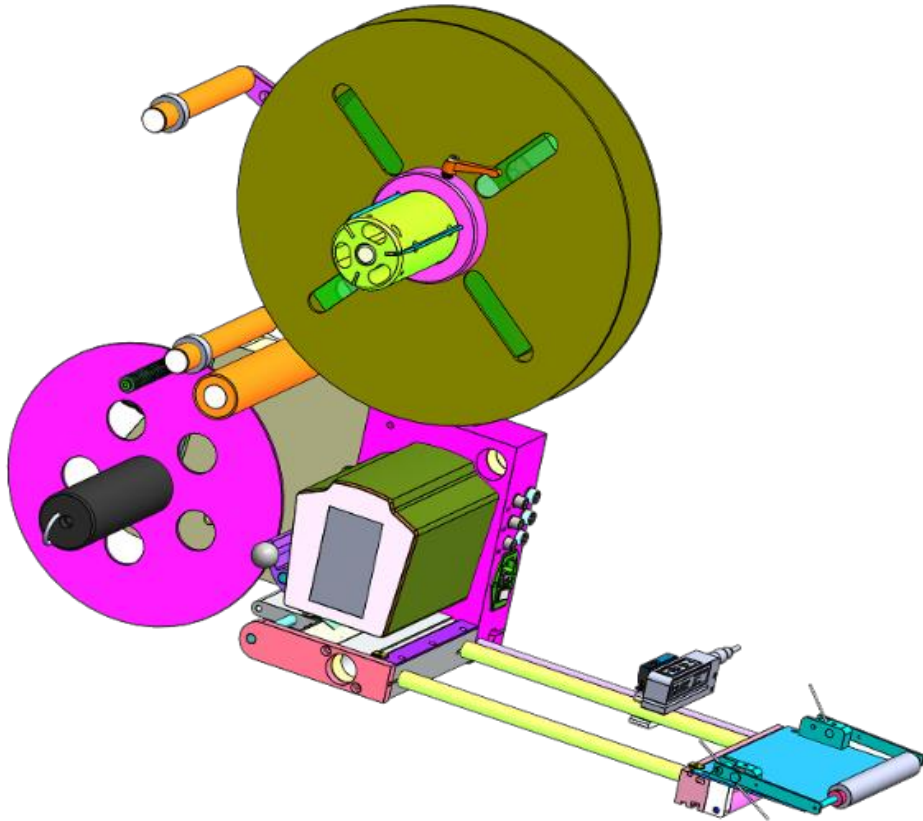
Labeling Machine Overview



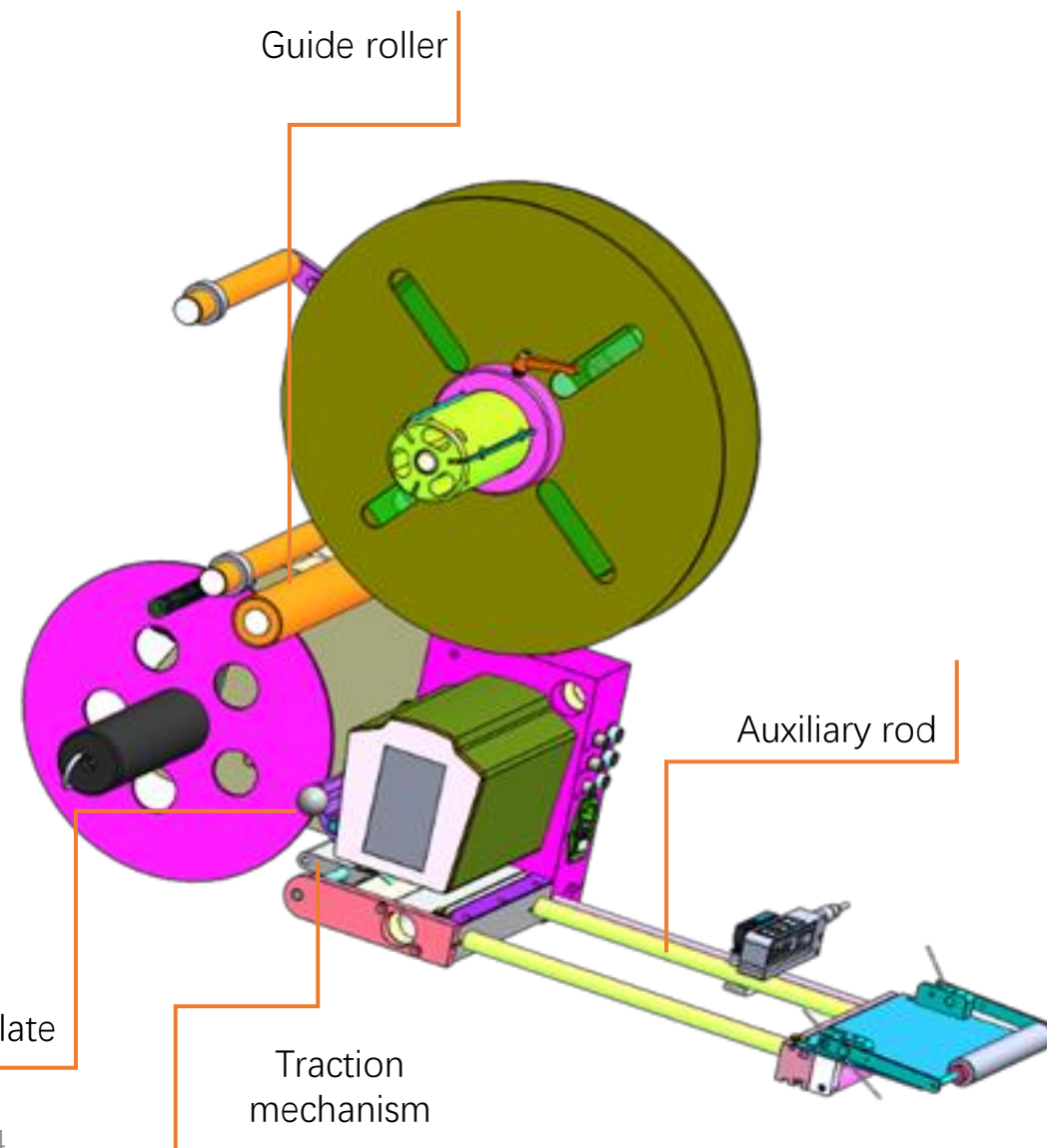
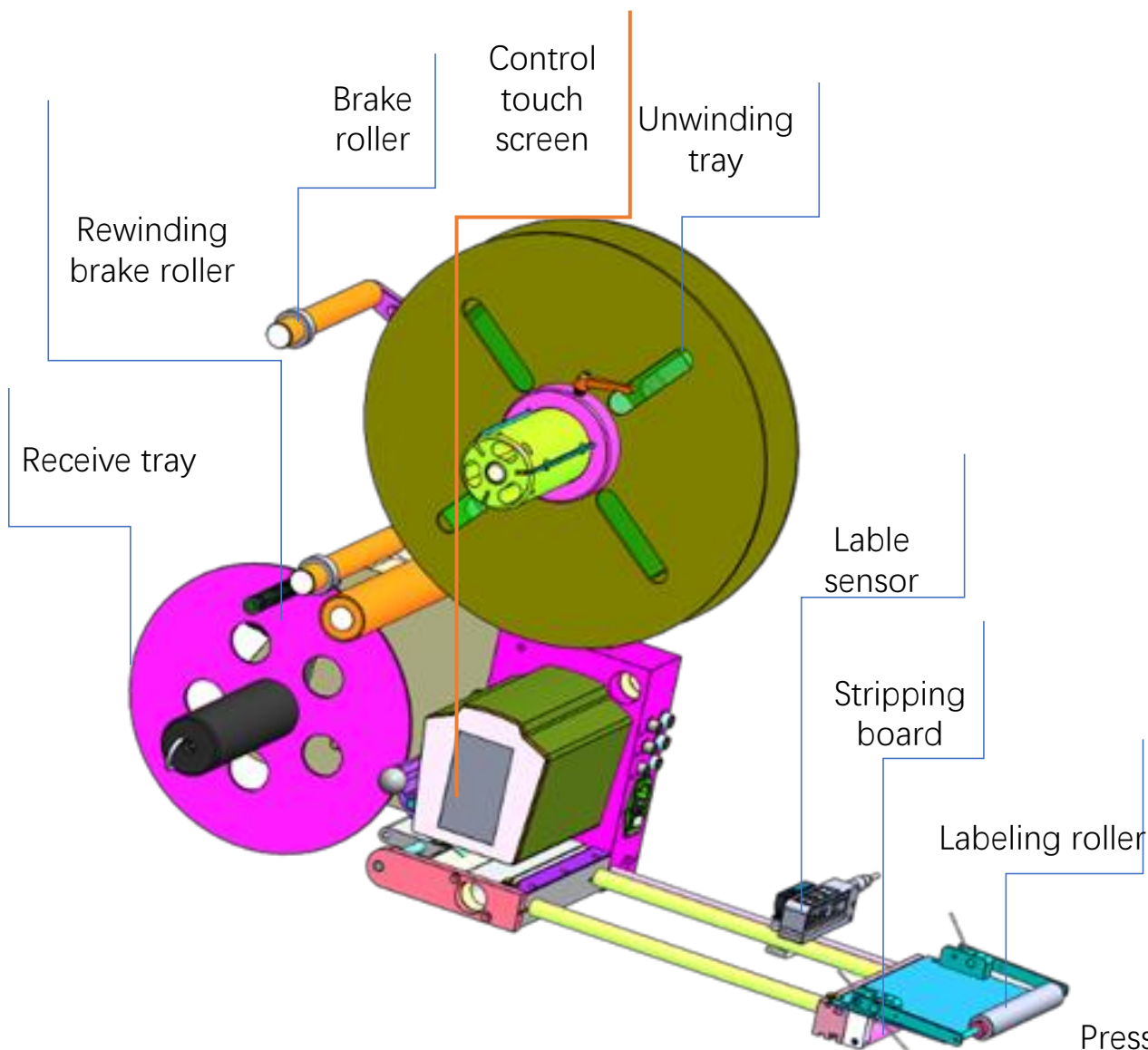
Working principle of self-adhesive labeling machine:

It is a packaging machine that uses PLC, sensors, motors, cylinders and other mechanical and electrical control mechanisms to paste self-adhesive labels on products according to the manually predetermined positions, thereby achieving the packaging purpose.

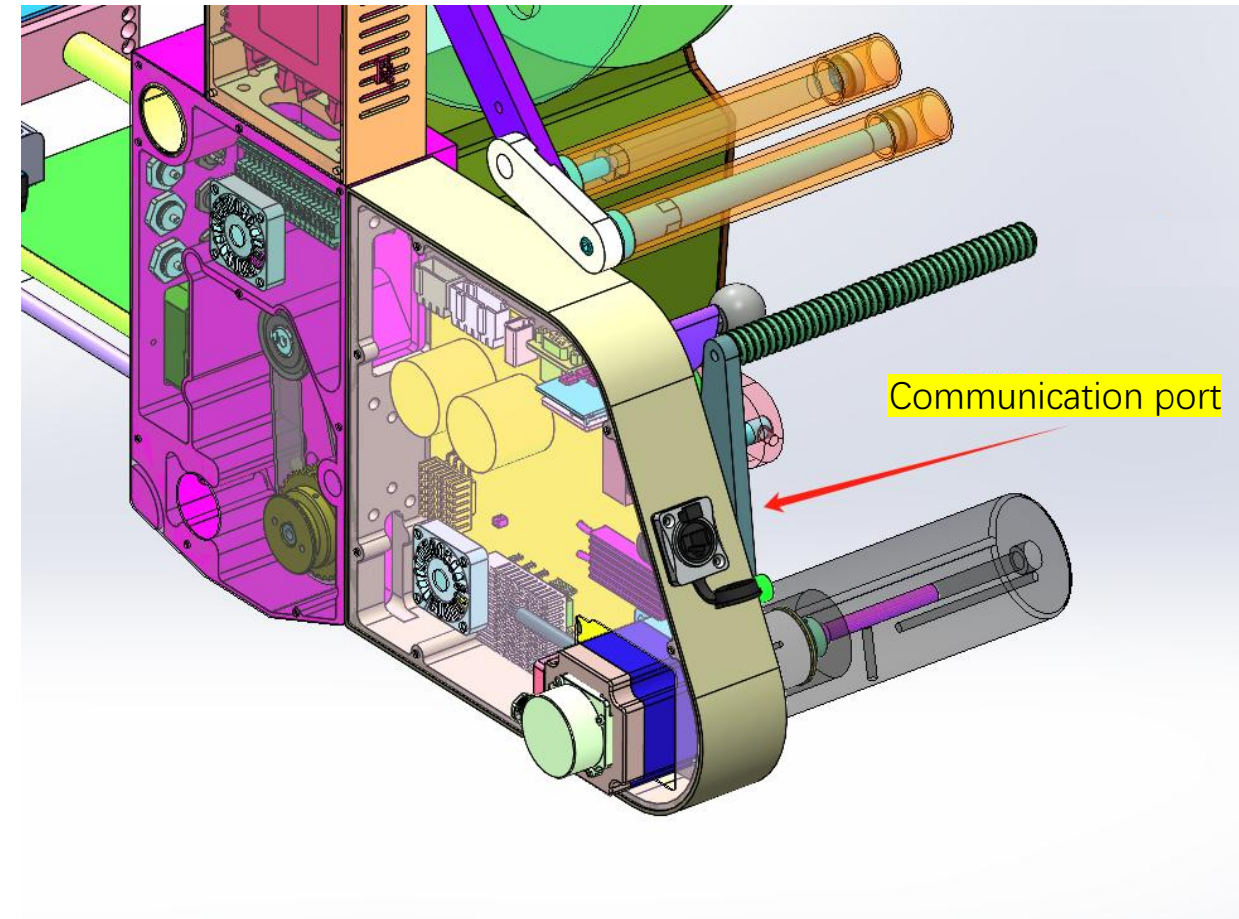
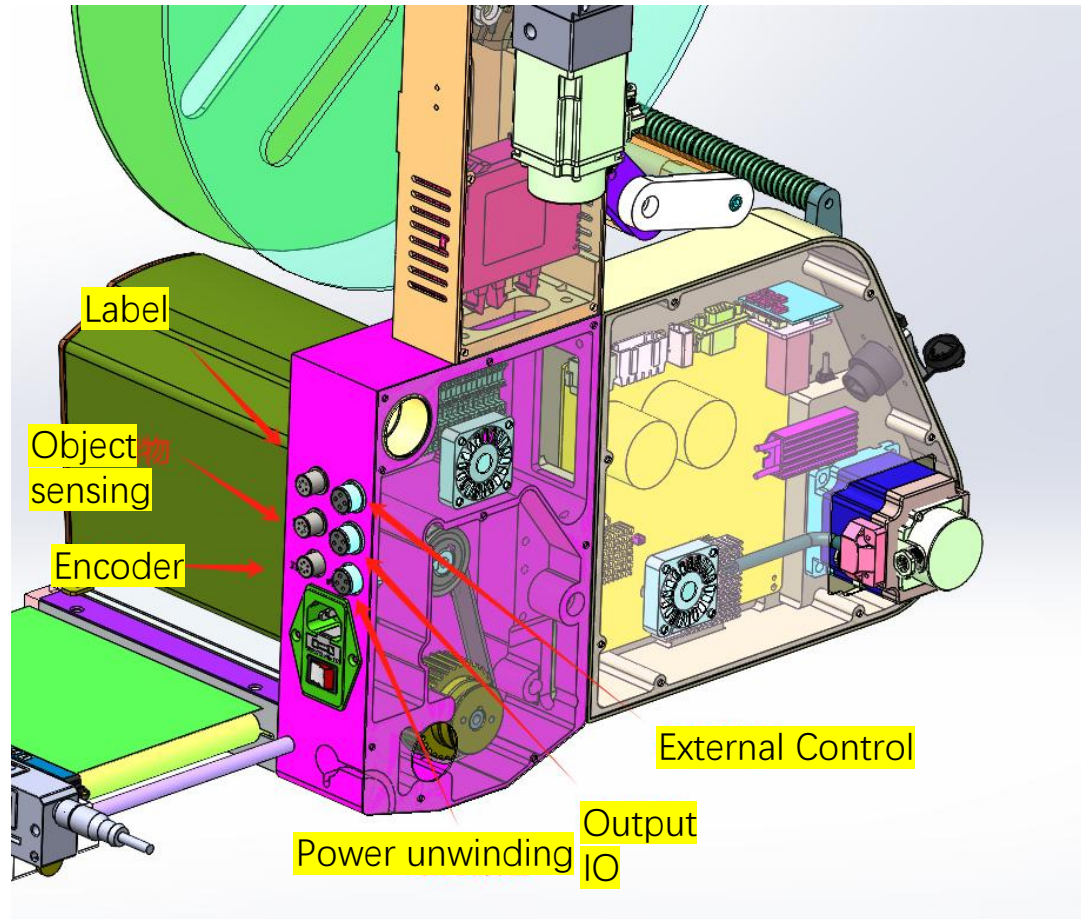
High Speed Labeling Head



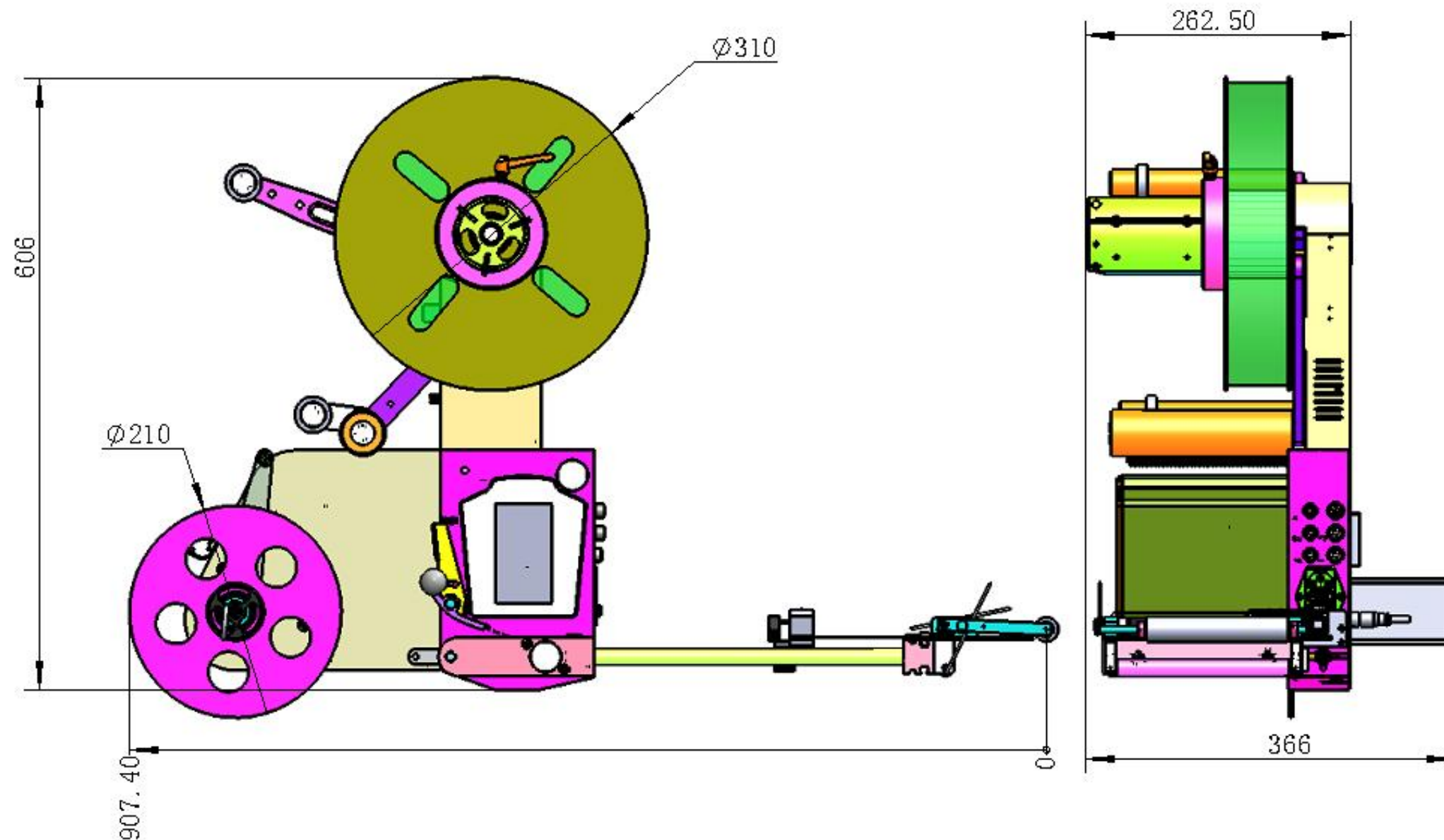
Labeling Head Structural Parts



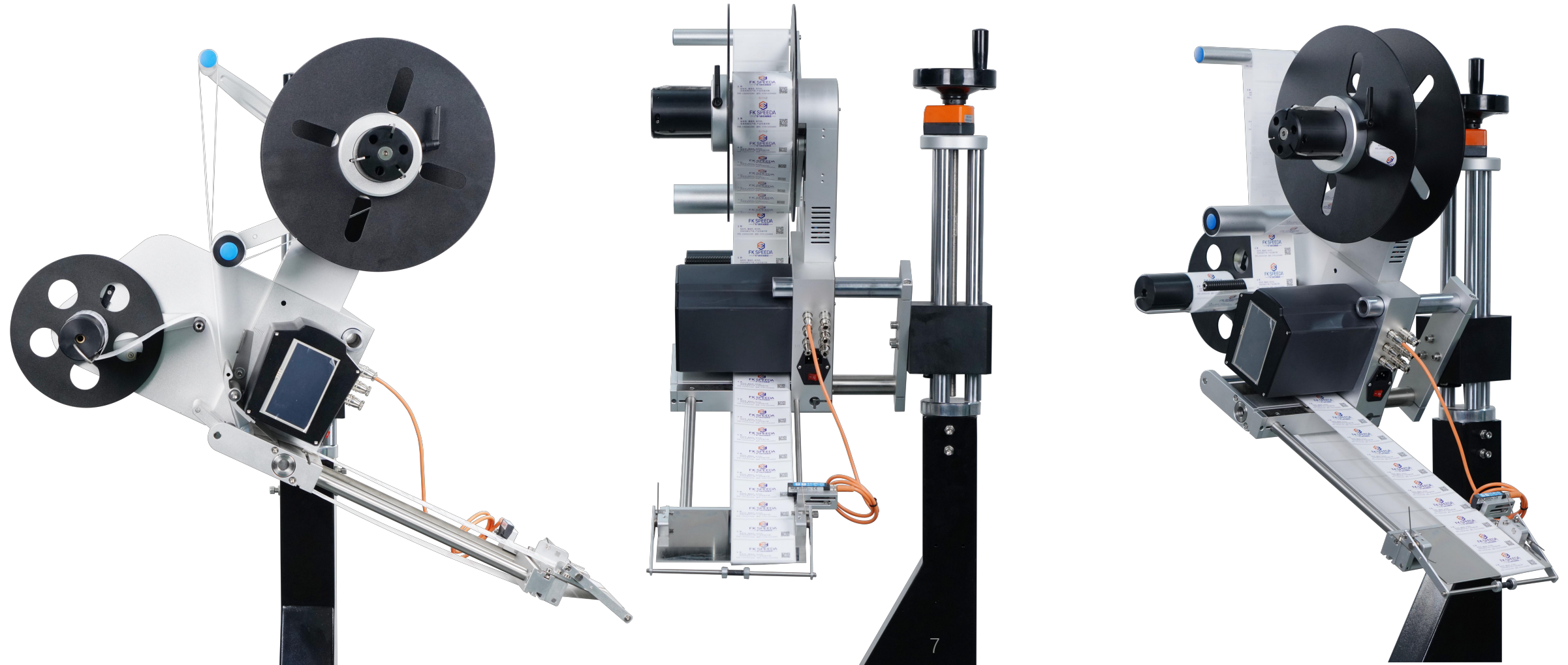
Integrated Electronic Control And Interface



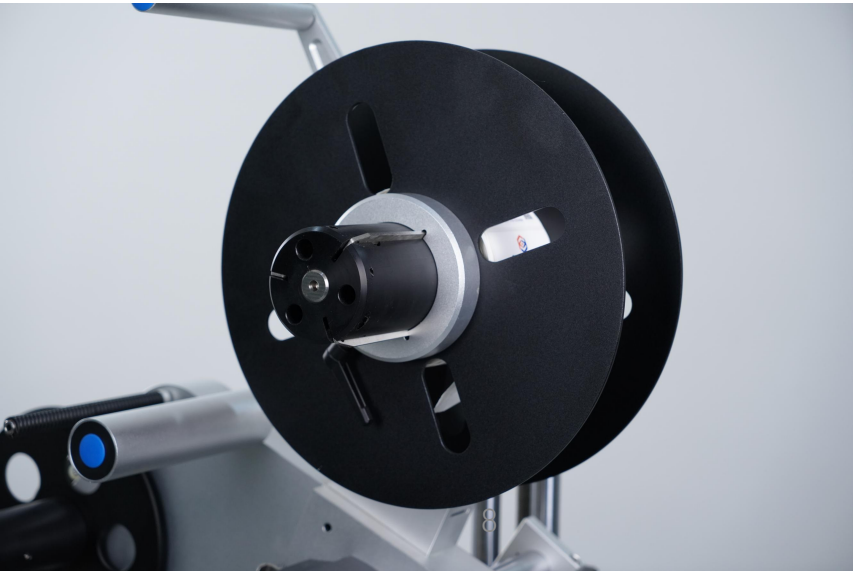
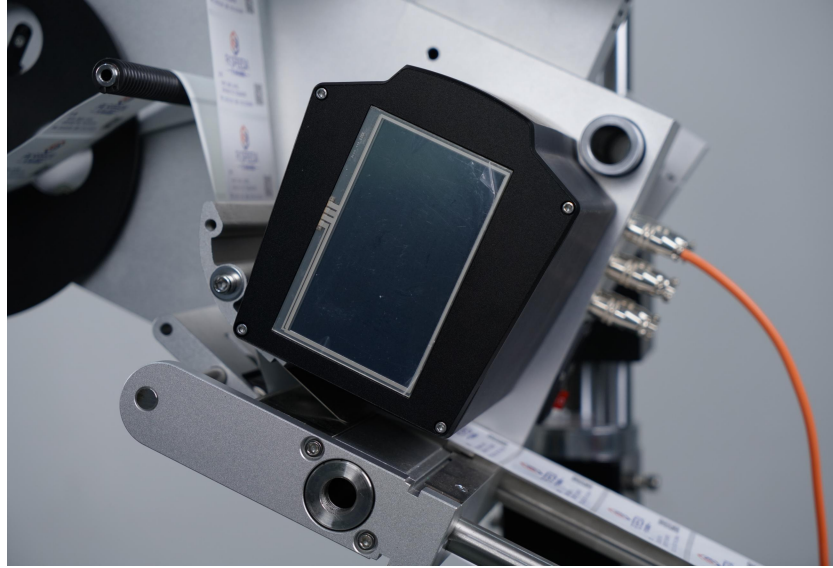
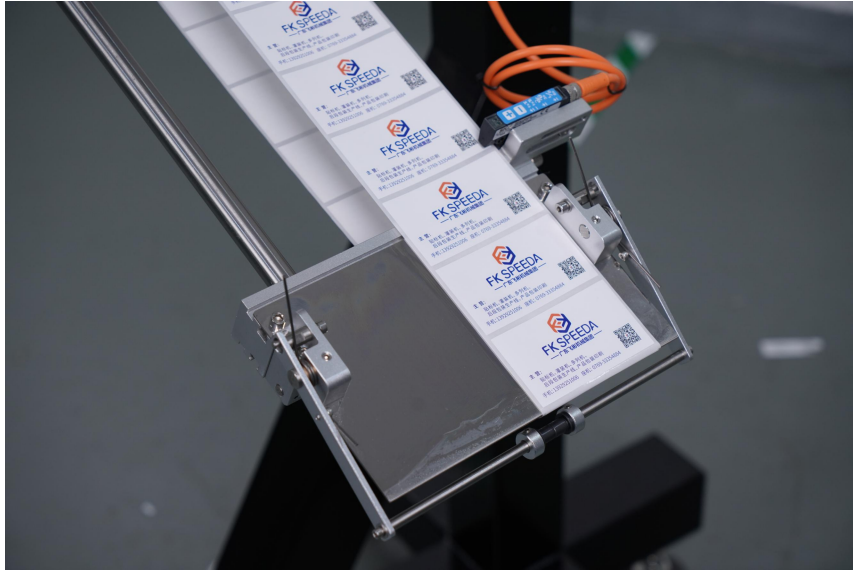
Machine Layout



Labeling Head Structure Details



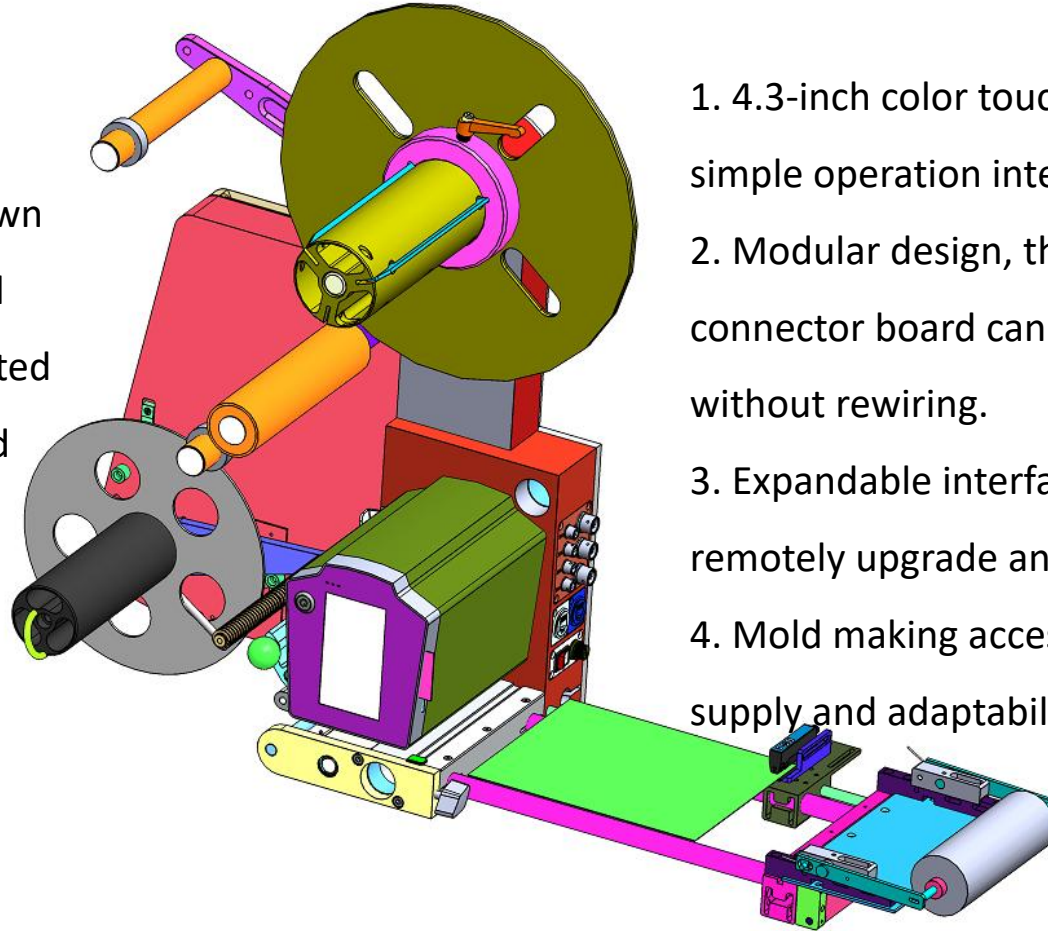
Labeling Head Structure Details



FK30/50/80/100/150M High Speed Labeling Head

Intelligent labeling system, unified manufacturing benchmark platform, can be directly upgraded to high-speed and high-precision models. It has its own industrial material network interface and reserved expansion interface, which can be directly connected to thermal coders, TTO, and printers. The high-end version of the label head is equipped with a label feeder, and the maximum label output speed can reach 180 meters per minute or 1,200 labels per minute.

Optional waterproof configuration, plus external cooling system can run continuously at high speed for 24 hours.

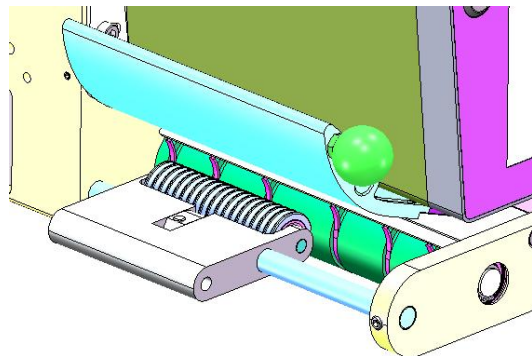


1. 4.3-inch color touch screen, rotatable display, simple operation interface, one-button start.
2. Modular design, the main board and connector board can be quickly replaced on site without rewiring.
3. Expandable interface design, which can remotely upgrade and activate device functions.
4. Mold making accessories to ensure long-term supply and adaptability of accessories.

FK30/50/80/100/150M High Speed Labeling Head

Features:

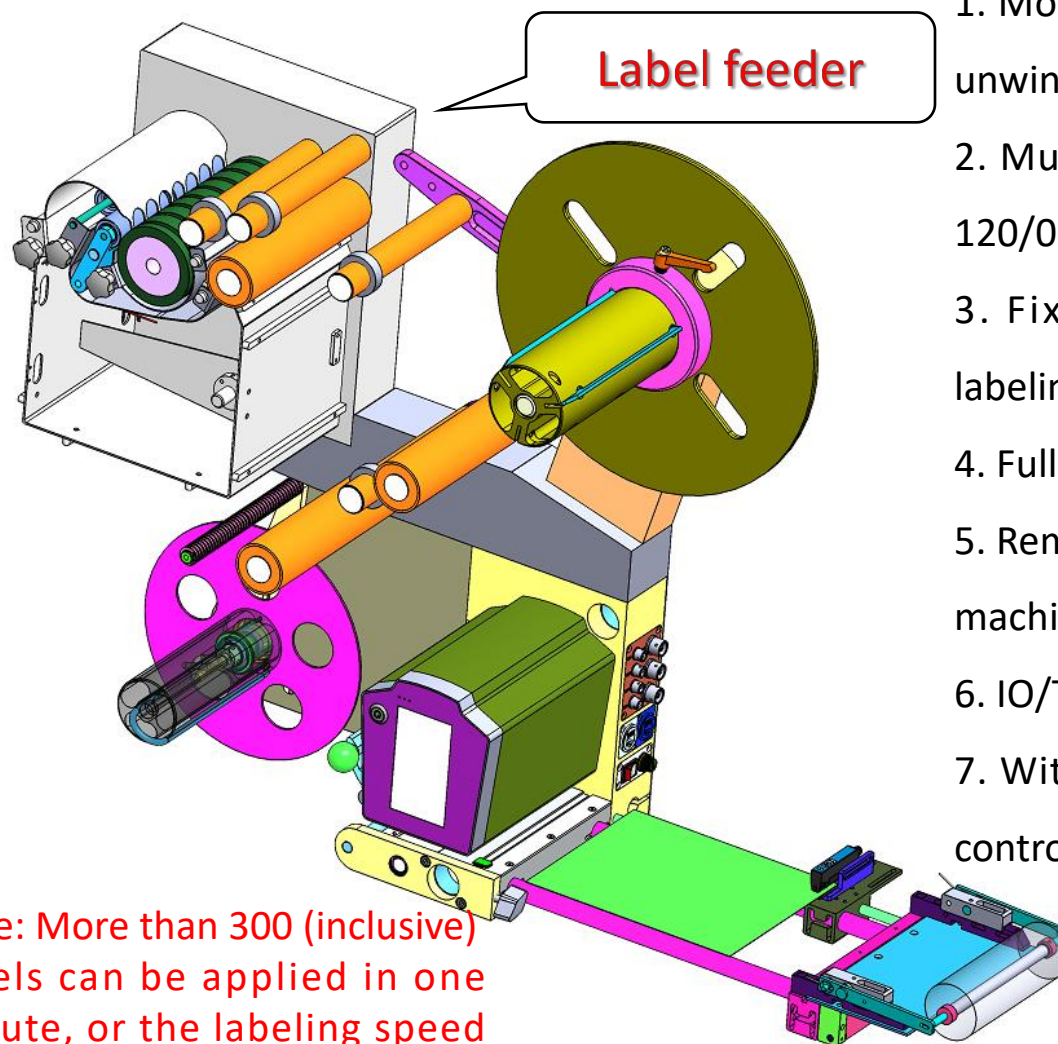
1. Modular design. (Power rewinding/power unwinding)
2. Multiple speeds available. (0-50/0-80/0-120/0-150M/min)
3. Fixed speed labeling/encoder speed labeling.
4. Full servo motor. (self-created)
5. Remote upgrade system/maintenance, one machine one code.
6. IO/TCP/RS-485 connection.
7. With integrated controller, no additional control cabinet is required.
8. One screen with multiple machines (to be launched).
9. It can be used in series without adding two system headers.



Quick string labeling mechanism



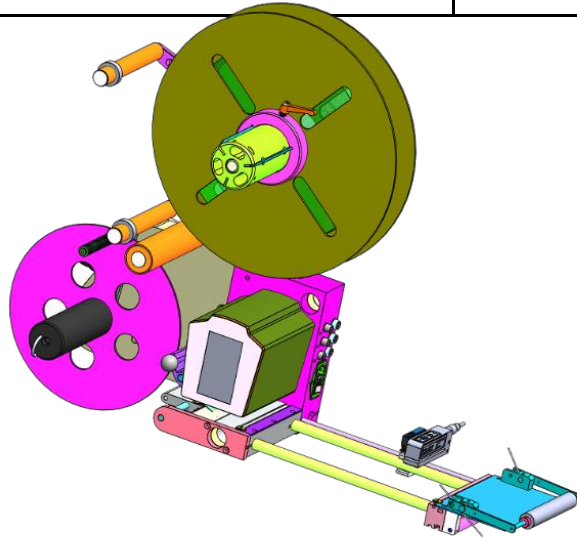
Multi-function connector interface



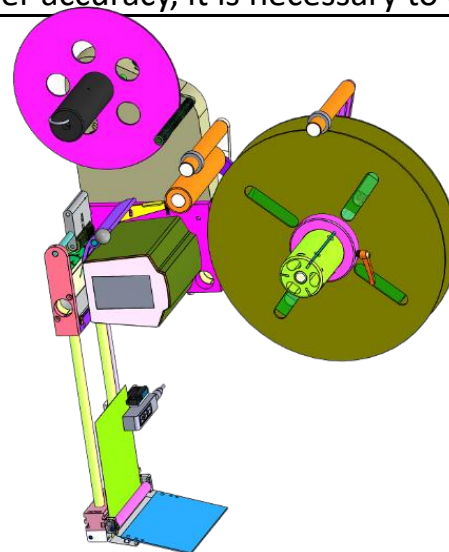
Note: More than 300 (inclusive) labels can be applied in one minute, or the labeling speed exceeds 50M/min. All require feeder labels.

FK30/50/80/100/150M High Speed Labeling Head

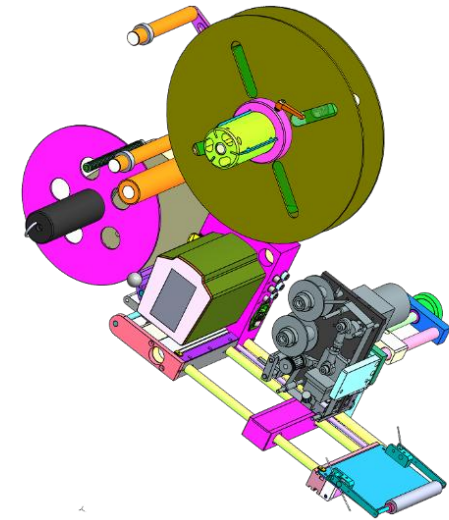
High-speed header parameter table		
Label specifications		optional
Label Width:	80 / 160 / 320 MM	
Reel diameter:	300 / 400 / 500 MM	
Technical specifications		
Installation direction:	Left labeling /Right labeling	
Labeling speed:	0 - 30 / 50 / 80 / 100 /120 /150/180m/min	
Communication interface:	•RJ45-485• Encoder • I/O signal (object sensor) • Label sensor • Thermal printer/TTO	
Labeling method:	Encoder synchronization/IO product sensor labeling/RJ45-485	
Label sensor type:	Optical slot/ultrasonic slot	
Bidding accuracy	±0.3（30M/MIN以下），±0.5（30-50M/MIN），±0.8（50M/MIN以上） To achieve higher accuracy, it is necessary to configure the label feeder.	



Right label out- Standard label stripping - 90° screen

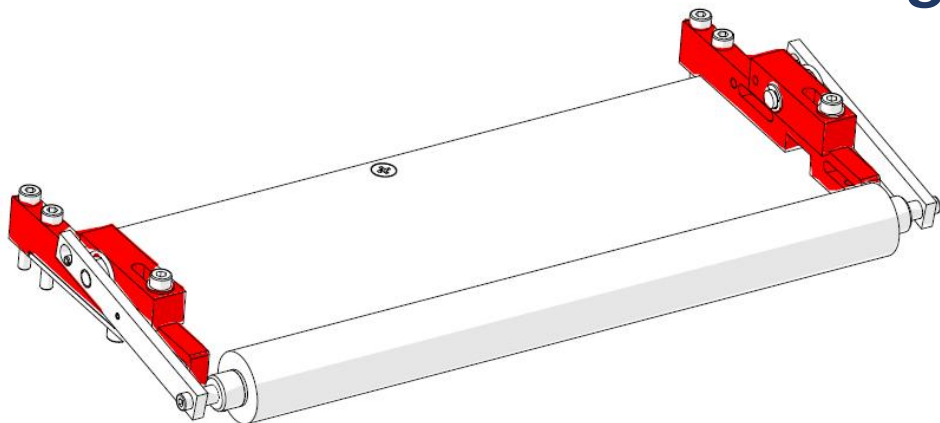


Right label out - 90° label peeling - 180° screen

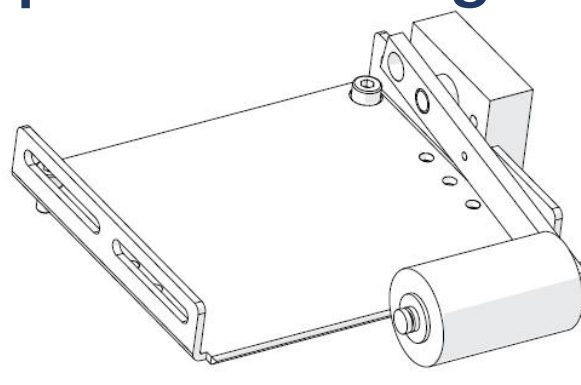


Right label - standard label peeling - 90° screen + thermal printer

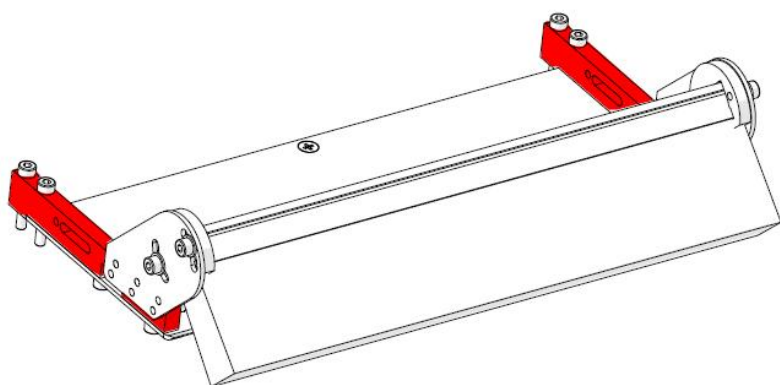
FK30/50/80/100/150M High Speed Labeling Head



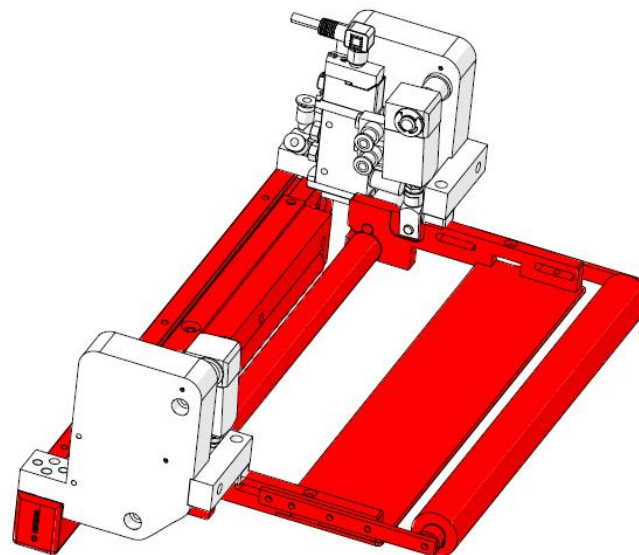
Standard Roller Labeler



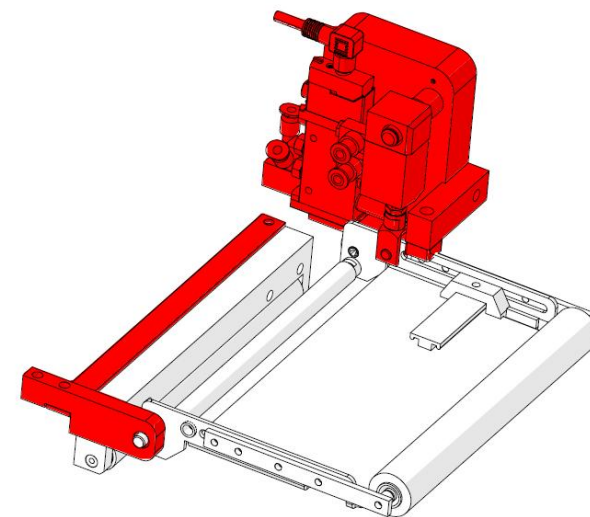
Narrow Roller Labeler



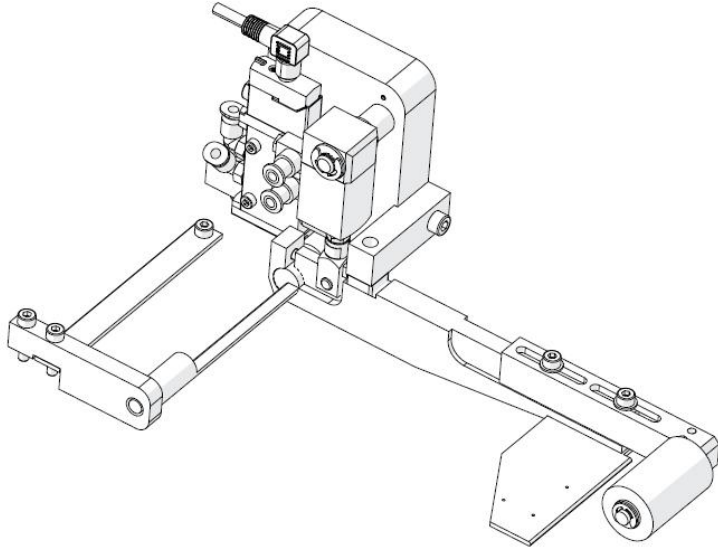
Standard brush labeler



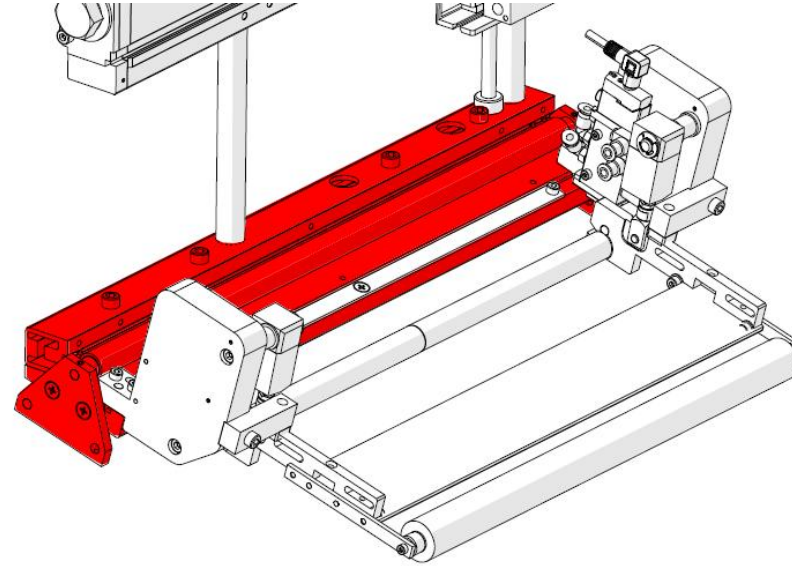
Standard pneumatic roller labeler



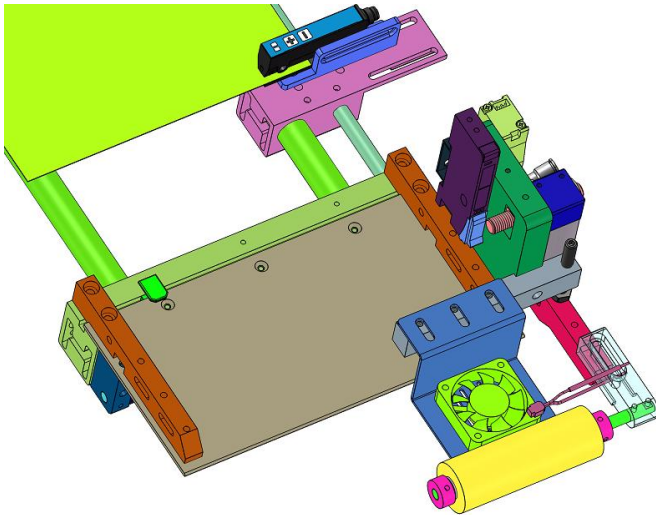
FK30/50/80/100/150M High Speed Labeling Head



Narrow version pneumatic roller labeler

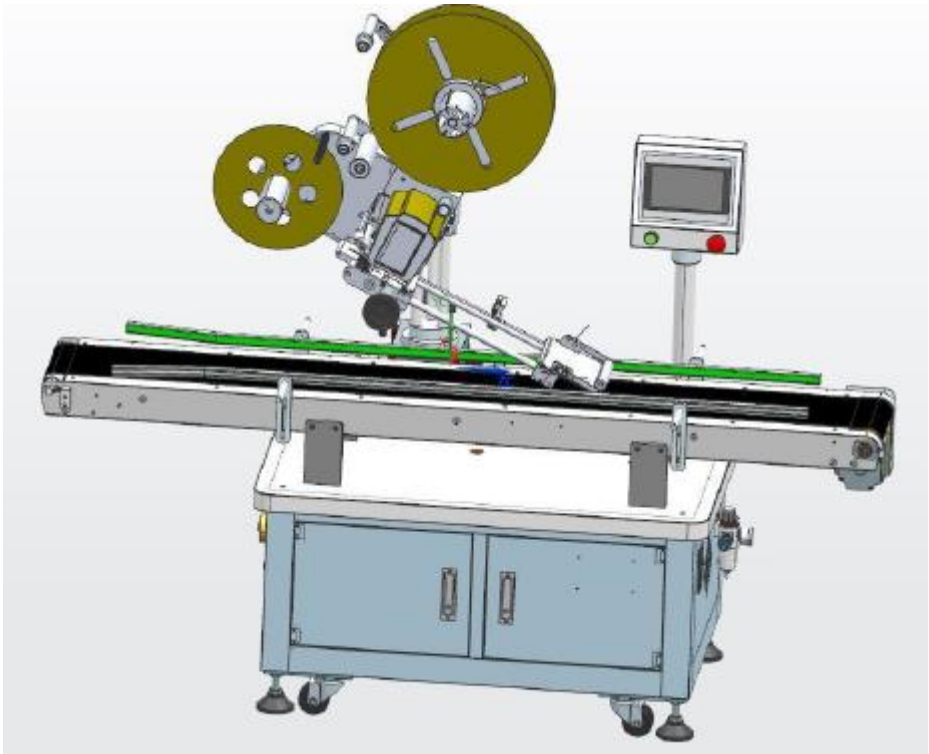


90° Labeler



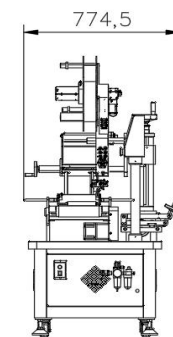
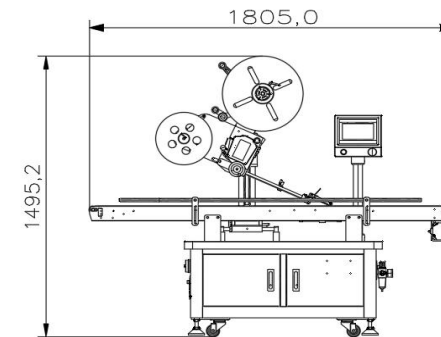
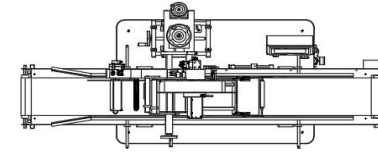
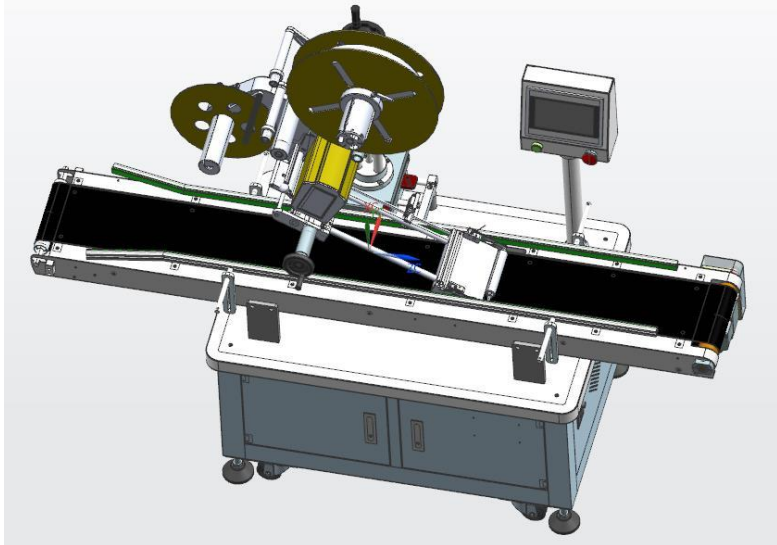
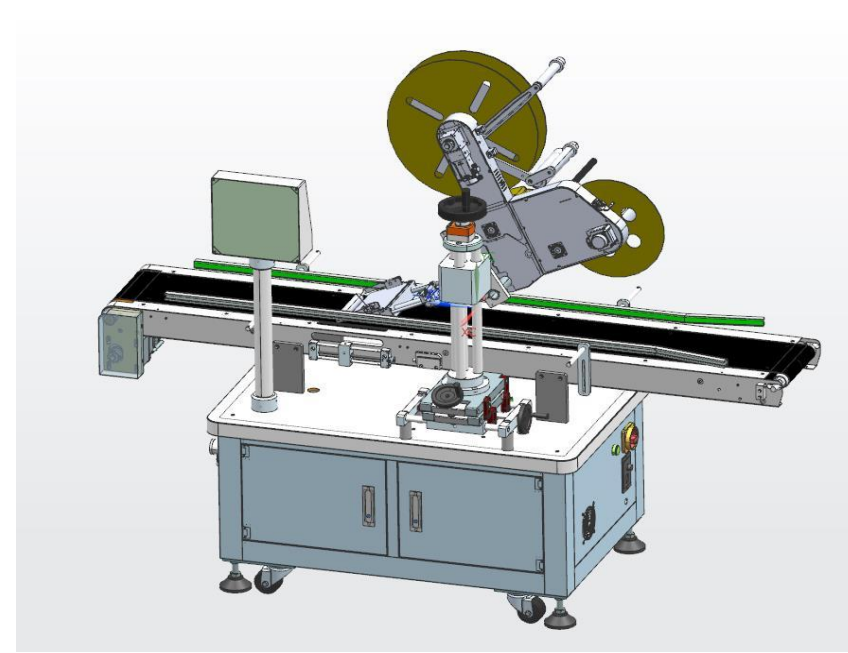
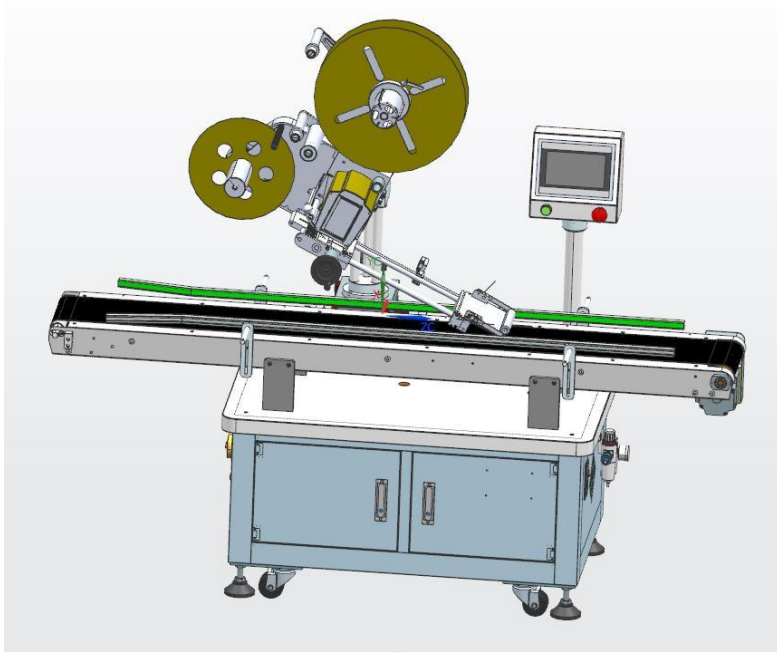
High speed asynchronous labeler

High Speed Labeling Head Case

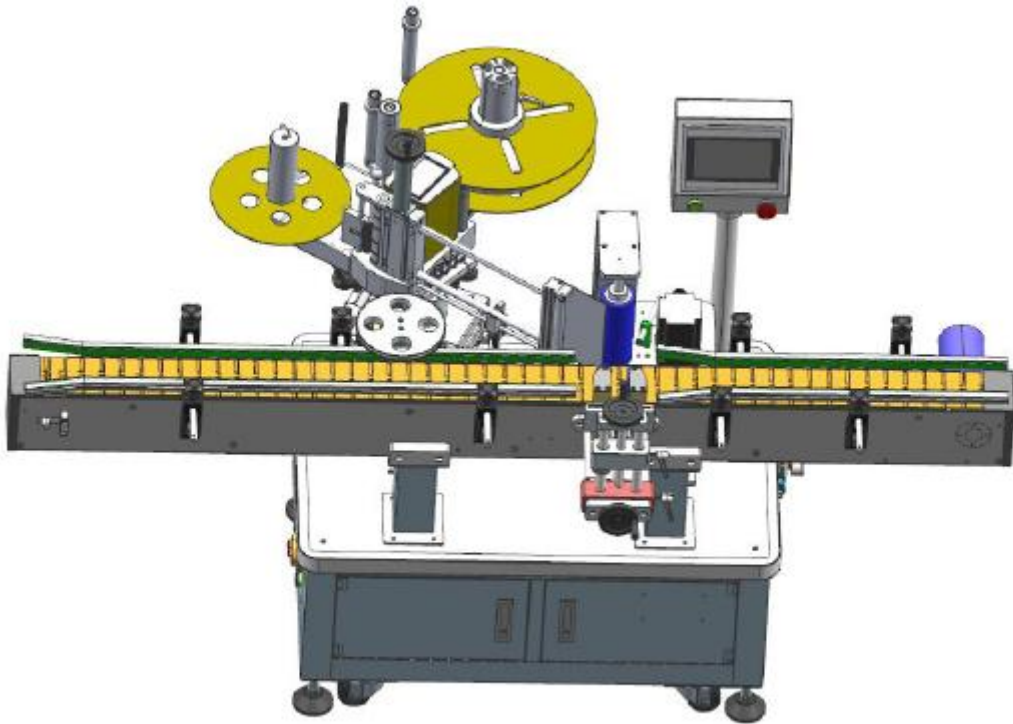


Technical Parameters	
Labeling type	Plane labeling
Product specifications	Square, rectangular, etc.
Product dimensions	30 - 300 x 50 - 250 x 50 - 150 mm (L x W x H
Label dimensions	15 - 160 x 30 - 300 mm (W x L))
Production capacity	Up to 250 products/min (depending on the product and label length)
Power supply	Single-phase 220V 50HZ
Air pressure	5-6 bar
Printer	Thermal transfer, TTO, laser printing
Components	Conveyor, material separation mechanism, guide bar, labeling head, re-labeling mechanism.
Optional	7-12 inch touch screen, card feeding machine, loader, receiver, etc.

Automatic Plane Labeling Machine

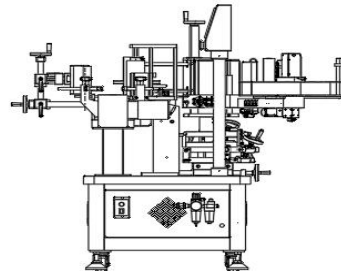
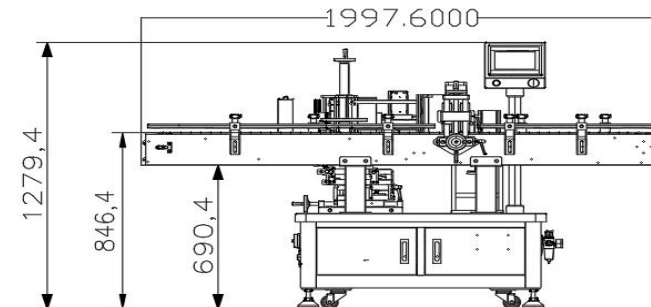
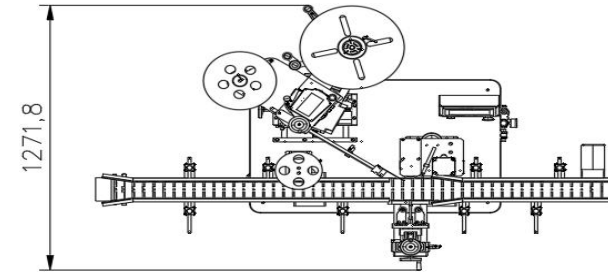
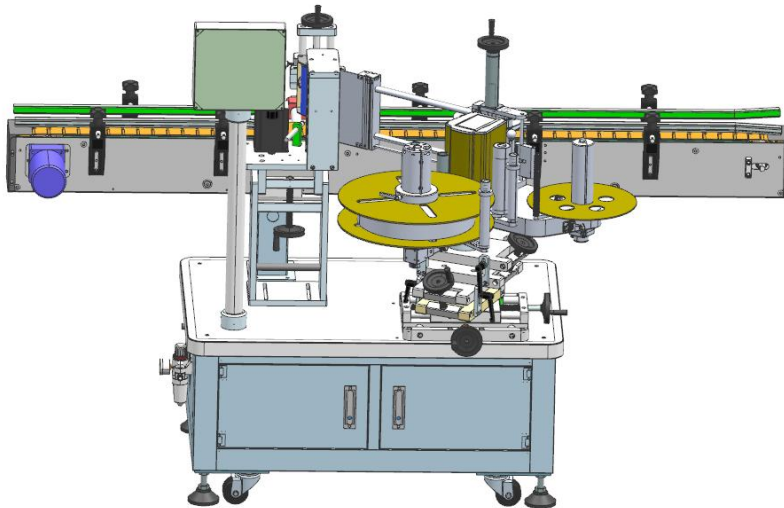
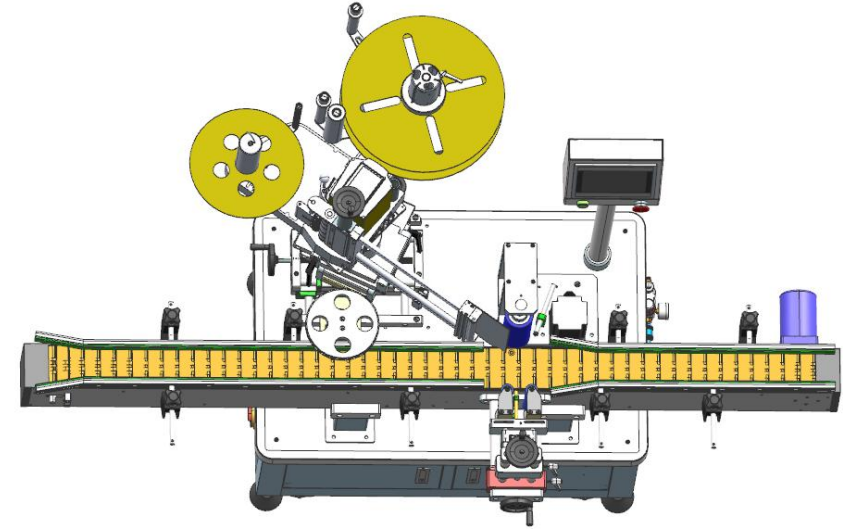
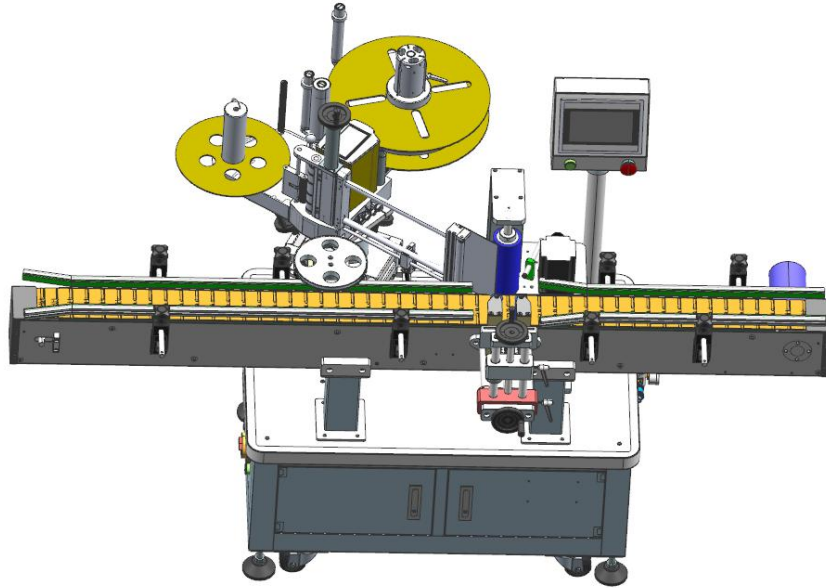


Automatic Positioning Round Bottle Labeling Machine

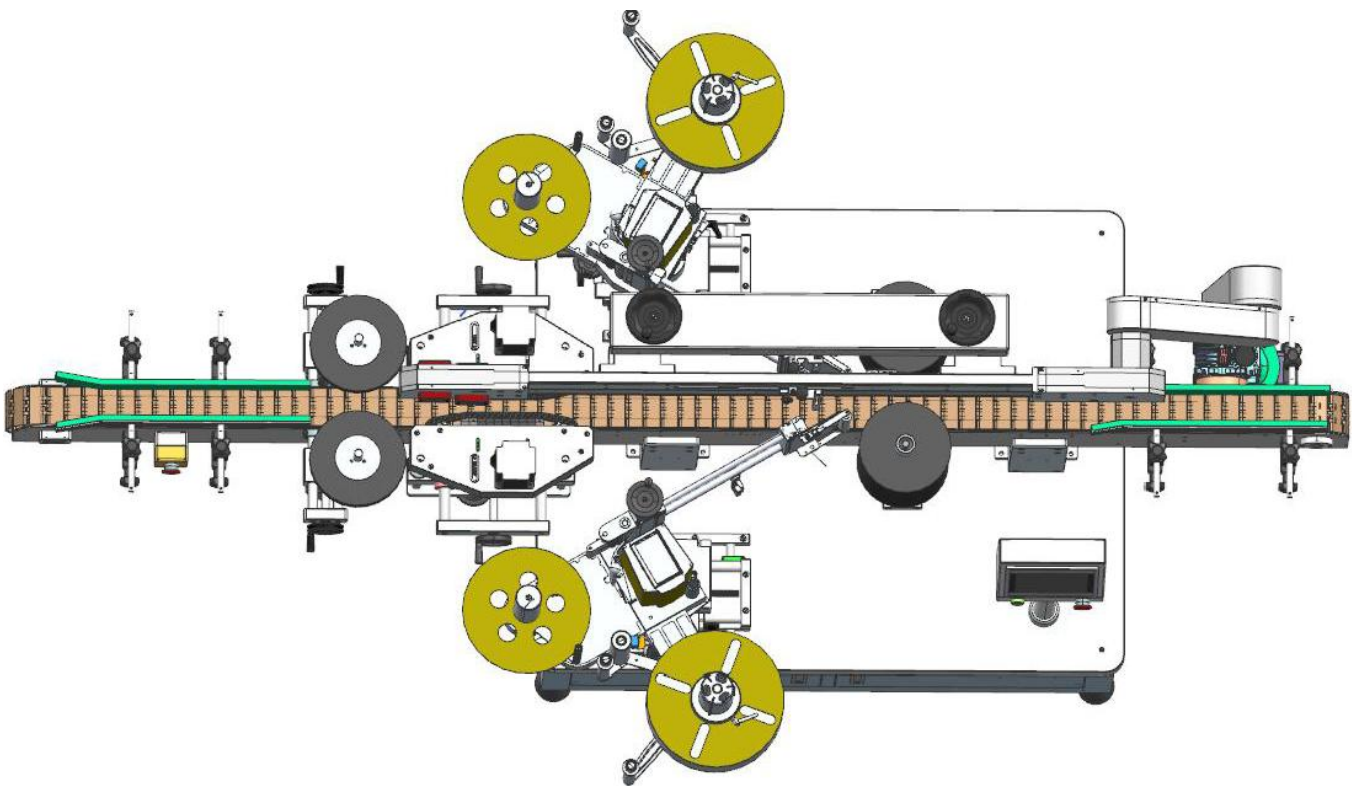


Technical Parameters	
Labeling type	Round bottle labeling
Product specifications	Round, square, flat, oval
Product dimensions	Round bottle: 25-150X30-250MM (diameter x height)
Label dimensions	Round bottle label: 15-240X30-315MM (width x length)
Production capacity	Round bottle labeling: up to 200 products/min (According to the actual bottle type and label length)
	Positioning labeling: up to 75 products/min (depending on the actual bottle shape and label length)
Power supply	Single-phase 220V 50HZ
Air pressure	5-6 bar
Printer	hermal transfer, TTO, laser printing
Components	Conveyor, bottle separation mechanism, guide bar, labeling head, re-labeling mechanism.
Optional	7-12 inch touch screen, feeding centrifugal disc, receiving centrifugal disc.

Automatic Positioning Round Bottle Labeling Machine

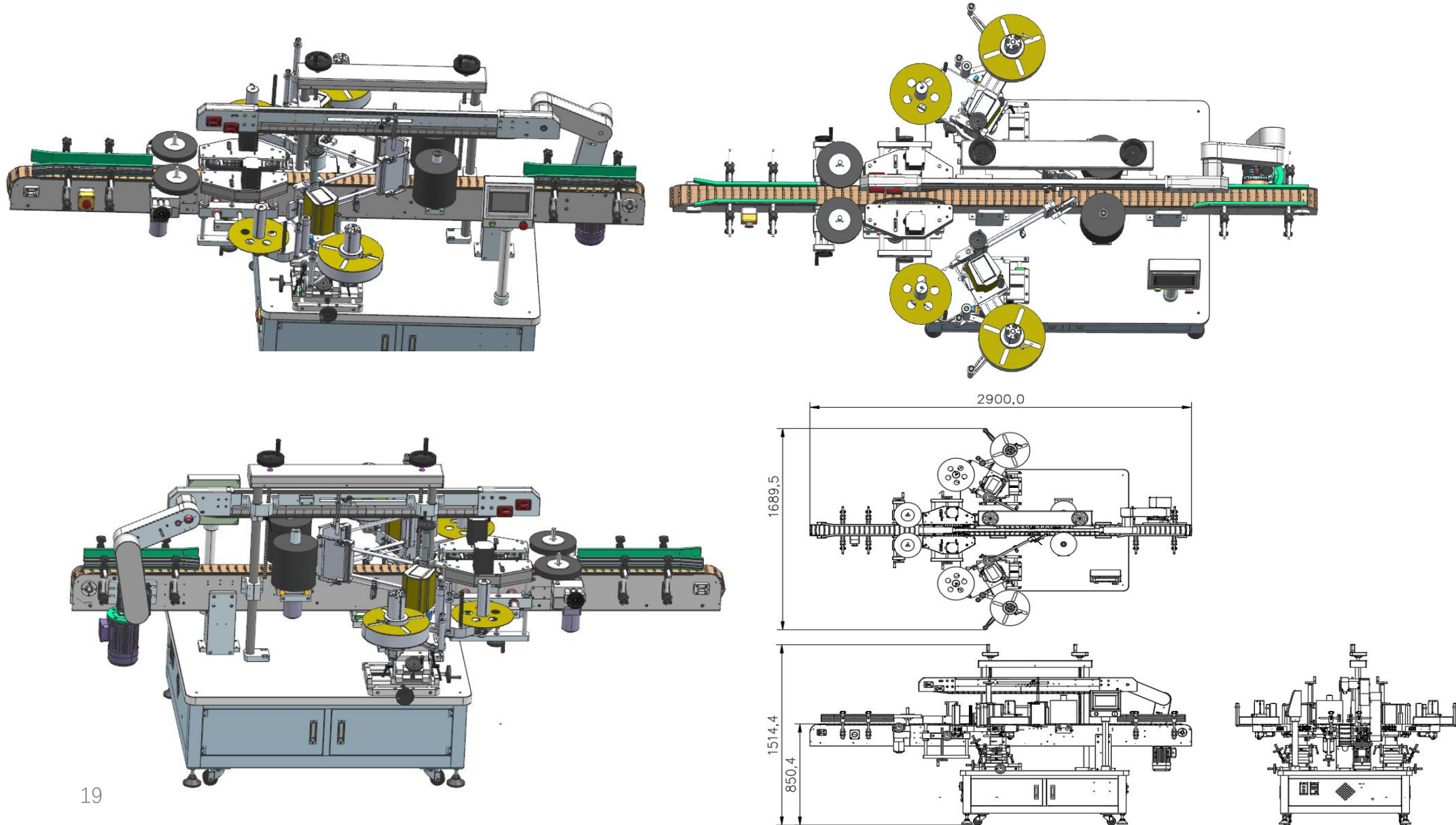


Automatic Double Side Labeling Machine

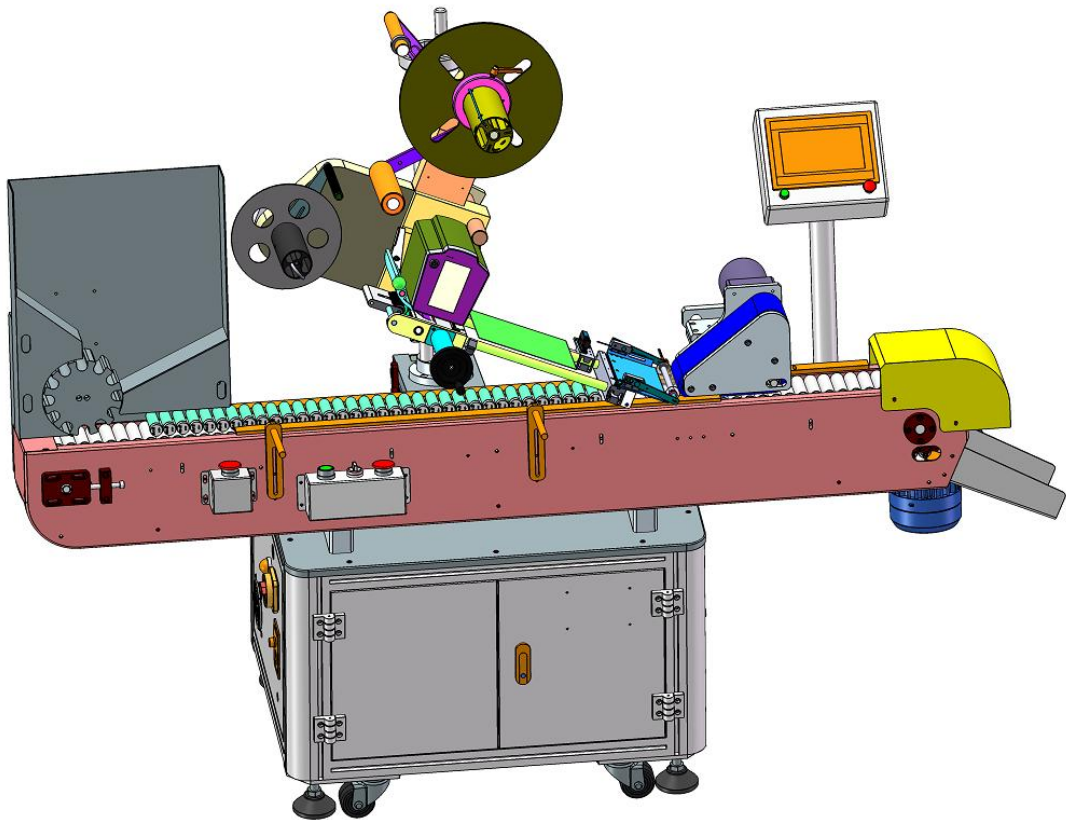


Technical Parameters	
Labeling type	Double-sided labeling, wrap-around labeling
Product specifications	Round, square, flat, oval
Product dimensions	Double-sided: 25-100X25-80X50-320MM (length x width x height)
	Round bottle: 25-100X30-250MM (diameter x height)
Label dimensions	Double-sided label: 15-240X30-200MM (width x length)
	Round bottle label: 15-240X30-315MM (width x length)
Production capacity	Up to 200 pcs/min (depending on the actual bottle type and label length)
Power supply	Single-phase 220V 50HZ
Air pressure	5-6 bar
Printer	Thermal transfer, TTO, laser printing
Components	Conveyor, top conveyor, bottle separation mechanism, correction mechanism, labeling head, re-labeling mechanism.
Optional	7-12 inch touch screen, feeding centrifugal disc, receiving centrifugal disc, corner labeling.

Automatic Double Side Labeling Machine

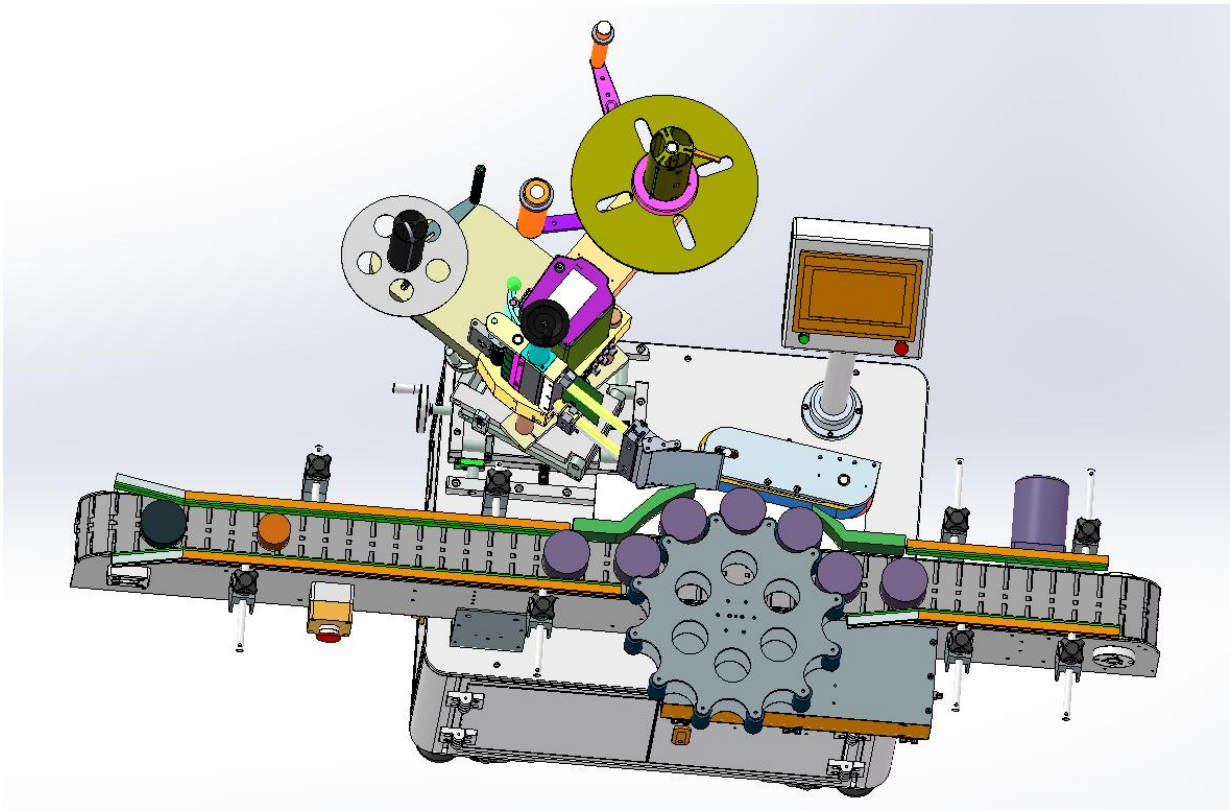


Automatic Horizontal Round Tube Labeling Machine



Technical Parameters	
Labeling type	Round bottle labeling
Product specifications	Round
Product dimensions	Round bottle: diameter 10-22MM/18-30MM
Label dimensions	Round bottle label: 10-80X30-100MM (width x length)
Production capacity	Round bottle labeling: up to 300 products/min (depending on the actual bottle type and label length)
Power supply	Single-phase 220V 50HZ
Air pressure	5-6 bar
Printer	Thermal transfer, TTO, laser printing
Components	Conveyor, bottle separation mechanism, correction mechanism, labeling head, re-labeling mechanism.
Optional	7-12 inch touch screen, automatic material receiver, label printing,

Automatic Positioning Round Bottle Labeling Machine



Technical Parameters	
Labeling type	Round bottle labeling
Product specifications	Round, square, flat, oval
Product dimensions	Round bottle: 15-110X20-250MM (diameter x height)
Label dimensions	Round bottle label: 10-160X30-265MM (width x length)
Production capacity	Round bottle labeling: up to 600 products/min (depending on the actual bottle type and label length)
	Positioning labeling: up to 120 products/min (depending on the actual bottle type and label length)
Power supply	Single-phase 220V 50HZ
Air pressure	5-6 bar
Printer	Thermal transfer, TTO, laser printing
Components	Conveyor, top pressure conveyor, bottle separation mechanism, correction mechanism, labeling head, re-labeling mechanism.
Optional	7-12 inch touch screen, automatic feeder, automatic receiver, label printing, printing visual error correction, missing labeling elimination, poor feeding elimination.