

*Packing Solution Of Wood Flooring And Wood Door*



## ABOUT US

We are one of the leading manufacturers of packaging machines in wood flooring, wood doors industry. We could offer packing solution for the different stages in the wood flooring and doors production.

Our outmost effort thru out the years, providing quality assured machines and excellent services to our customers. Our location in Shanghai houses our manufacturing plant. R&D department and servicing department.

Over 20 years working experiences in the industry.

About 800 packaging lines using by over 500 customers in different markets all round the world.

## CONTACT US

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## PACKAGING LINE FOR WOOD FLOORING



## Automatic Stacking Machine

### Features

#### Conveying part

- The conveying adopts aluminum profiles as conveying brackets
- The conveyor belt is 50mm wide and the type of grass pasted belt is 10A synchronous belt
- The synchro wheel can be adjusted with tension
- The width of the conveyor frame can be adjusted, and the linear circular rail is used as the guide

#### Flip part

- The flip plate is made of 20mm thick A3 steel plate
- Adopt 8 flip forks
- The transmission spindle adopts Φ40mm round steel
- A tension sleeve must be used to connect the turntable and the main shaft
- Both ends are supported by a UCP207 bearing

#### Stacking part

- The stacking table adopts servo cylinder to lift, Laminated countertops are fitted with plywood
- One end of the conveyor frame is fixed, and the other end is adjusted by the linear guide
- With another device that can continuously connect the board, stack the board and expand the board
- The expansion joint device is equipped with baffles on both sides, which can be adjusted left and right
- Adopt 2 groups of conveying pusher racks



Technical information	
Power	2KW 380V 50HZ/60HZ
Air Source	1000L/min
Packing Size L×W×H	800~1380*200~400*48~120mm
Flipping Speed	10-50m/min
Stacking Speed	5-8packs/min
Flooring dimensions L×W×H	4350X1450X920mm
Crate Size L×W×H	2600X1550X1150mm 1900X1550X1150mm
G./N. Weight	250/200kg 150/100kg

### Ordering Information

MLY-1100	Automatic Stacking Machine (including flipping)
MLY-1101	Automatic Flipping Machine

### Automatic Cartoning Machine

#### Features

The cartoning machine is designed for the high-speed automatic packaging of cartons for wood floors.

It includes the functions of carton paper positioning, product inserting, carton folding, carton sealing, and carton flipping.

The equipment has high transmission accuracy, precise positioning and strong stability at high speed.

The motion control module drives the servo motor and the actuator, which make the operation more accurate and stable.

Intelligent formula and module guidance make parameters setting easier.

The balcony desk design make it easy to maintain and operate.

#### Advantage

- The main mechanisms both are servo-driven to ensure the high accuracy of transmission, synchronization, and excellent stability at high speed.
- Pre-pressure guide on groups of continuous product pushing system to ensure synchronous accuracy and stability.
- Siemens motion control system to follow-up and monitor the positions of multi-axis for improving the reliability of cartoning machine.



Technical information	
Power	7kw 380V 50HZ/60HZ
Air Source	2000L/min
Packing Size L×W×H	800~1380*200~400*48~120mm
Packing Speed	3 packs/min
Flooring dimensions L×W×H	Carton positioning 2500*800*850mm Carton folding 1800*1200*850mm 1800*1100*850mm carton sealing 1800*820*850mm Carton Flipping 1500*1000*850 mm

#### Ordering Information

MLY-1200	Automatic Cartoning machine
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## Automatic Film Sealing Machine

### Features

It adopts a frame-type design to connect the whole line. Controlled by PLC, which greatly reduces the work intensity and increases production efficiency.

It cuts the shrink foil to packaging width and puts the splice in the middle on one side, which presents your product particularly nicely. Combined with the dual compartment shrink tunnel, the MLY-Film delivers the best packaging results.

### Advantage

- Very solid packaging machine
- High packaging capacity
- Great packaging results
- It splices the shrink film completely shut along both the longitudinal and the lateral sides. This way your parquet is completely protected against dirt, dust and moisture.



Technical information	
Power	≤3KW 110/220V; 50/60HZ;
Air Source	300L/min
Packing Size L×W×H	800~1380*200~400*48~120mm
Packing Speed	6-8 packs/min
Shrink Film	PE Thickness: 0.04-0.08mm
Conveyor	PVC
Air Source	6-7kg/cm2
Flooring dimensions L×W×H	1650*1400*1500mm
Crate Size L×W×H	1760*1510*1750mm
Gross Weight	250kgs

### Ordering Information

MLY-1300	Automatic Film Sealing Machine
MLY-1301	Automatic Film Sealing Machine (without operating platform)

## Shrink Tunnel

### Features

It has high stability and the heating part is a stainless steel heating tube, which is suitable for shrink packaging for wood flooring. Controlled by PLC, which greatly reduces the work intensity and increases production efficiency. It cuts the shrink foil to packaging width and puts the splice in the middle on one side, which presents your product particularly nicely. Combined with the dual compartment shrink tunnel, the MLY-Film delivers the best packaging results.

### Advantage

- Very solid packaging machine
- High packaging capacity
- Great packaging results
- Energy friendly shrink tunnel
- It splices the shrink film completely shut along both the longitudinal and the lateral sides. This way your parquet is completely protected against dirt, dust and moisture.



Technical information	
Power	≤30KW
Power Supply	380V; 50/60HZ;
Packing Size L×W×H	800~1380*200~400*48~120mm
Packing Speed	6-8 packs/min
Shrink Film	PE / POF
Heating Tube	Stainless Steel
Tunnel Temp	Room Temperature to 300℃
Conveyor	Stainless Steel
Flooring dimensions L×W×H	4050*1060*1600mm
Crate Size L×W×H	4160*1160*1800mm
Gross Weight	850kgs

### Ordering Information

MLY-1400	Shrink Tunnel
MLY-1401	Shrink Tunnel (Without Cooling Transfer Roller)



### Automatic Palletizer

#### Features

The loading machine automatically separates the pallets in sequence and transports them to the pallet stacker, automatically collects and stacks 10-12 pallets, and removes them by a forklift.

The frame adopts the national standard square tube welding

Lifting chain adopts 12A type

There are feeding guides on both sides of the feeding position of the conveyor frame

#### Advantage

- The continuous collection method is adopted, which is faster.
- When changing specifications, select the stacking type on the panel, and the adjustment of mechanical parts is simple and convenient; it can store a variety of stacking types;
- Large-capacity automatic collector, which can hold 10-12 pallets at a time.
- The stacking is neat, beautiful and efficient; it can greatly reduce labor



#### Technical information

Power	15kw
Air Source	500L/min
Packing Size L×W×H	800~1380*200~400*48~120mm
Packing Speed	10 pallets / hour
Flooring dimensions L×W×H	1500*680*850mm 4600*2700*3000mm 2300*1500*1200mm 1700*1300*500mm 1700*1300*500mm 1700*1300*500mm

#### Ordering Information

MLY-1500	Automatic Palletizer
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### Palletizing Robot

#### Features

The equipment control adopts one-stop independent control, adopts PLC human-machine interface 10-inch touch control screen control, and the action is stable and reliable.

The system has two modes of automatic and manual control. After the forklift is loaded on the plate in the automatic state, it will automatically feed, automatically lift, and automatically load the plate, which greatly improves the production efficiency and the labor intensity of workers.

#### Advantage

- The machine has been optimized specifically for palletizing tasks. It has a working speed of up to 56 cycles per minute and guarantees the utmost precision.
- It has a minimized interference contour due to its narrow base frame and small footprint. The robot saves even more space thanks to its integrated energy supply system.
- Its four-axis kinematic system enables pallets to be stacked to a height of 1.5 meters.
- Each and every component in the machine ensures maximum ease of servicing and low-wear functionality. In this way, we are able to keep maintenance outlay to a minimum.



Technical information	
Power	5KW
Air Source	500L/min
Packing Size L×W×H	800~1380*200~400*48~120mm
Working Speed	900 times / hour
Working Diameter	800mm

#### Ordering Information

MLY-1600	Palletizing Robot
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## Pallet Wrapping Machine

### Features

This machine uses LLDPE wrapping film as the main packaging material to wrap bulk goods stacked on pallets. The wrapped goods are more stable, beautiful and tidy, and can play the role of waterproof, dustproof, anti-theft, anti-scattering, convenient for import and export, etc.

### Advantage

- Unmanned operation.
- Automatic feeding, film loading, winding, film cutting, film sticking, discharging, storage, etc.
- Adopt PLC programmable controller and human-machine dialogue touch screen.
- Automatic warning, automatic fault alarm, etc.
- Independent control cabinet, easy to maintain.
- Strong and sturdy body design, reasonable and ingenious combination of mechatronics.
- Simple to operate and durable. Safe, stable and fast



Technical information	
Power	3.75kw/380V
Packing Size L×W×H	800~1380*200~400*48~120mm
Packing Speed	30 pallets/hour
Turntable maximum rotation speed	14r/min
Diameter of turntable	2000mm
Flooring dimensions L×W×H	3400mm*2000mm*2500mm
G./N. Weight	1650kgs

### Ordering Information

MLY-1700	Pallet Wrapping Machine
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Film Sealing Machine & Shrink Tunnel



Packing Products	Wood Flooring
Packing Sizes(Carton) L×W×H (mm)	1200*300*160mm
Packing Speed	6-8 packs/min
Packing Film	PE
Power	42 kw

Film Sealing Machine & Shrink Tunnel ( New Design/ Energy Saving)



Packing Products	Wood Flooring
Packing Sizes(Carton) L×W×H (mm)	820*305*130mm
Packing Speed	6-8 packs/min
Packing Film	PE
Power	21 kw

Packaging Preprocessing



Product Description	Electrostatic Precipitator
Floor sizes: L×W×H (mm)	600~1800*40~400*25mm
Transfer Speed	0-80m/min
Dust Removal Rate	Over 98%
Power	1.8kw

Film Sealing For Different Packing Sizes



Packing Products	Tri-Station Film Sealing Machine
Advantage	Quick Adjustment On Packing Line; Suitable For Different Packing Sizes; No Need To Change The Forming Frame And To Adjust The Machine;
Packing Film	PE
Power	3kw



## PACKAGING LINE FOR WOOD DOORS

## Automatic Feeding Machine

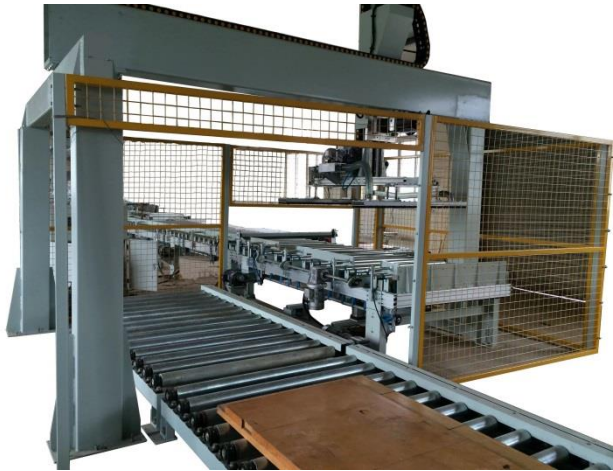
### Features

The feeding machine is designed to collect the heavy products automatically from the pallets to the packing lines.

The equipment control adopts one-stop independent control, adopts PLC human-machine interface 10-inch touch control screen control, and the movement is stable and reliable.

### Advantage

- The continuous collection method is adopted, which is faster.
- When changing specifications, select the stacking type on the panel, and the adjustment of mechanical parts is simple and convenient; it can store a variety of stacking types;
- Large-capacity automatic collector
- Safe and convenient;
- Saving labor costs;



Technical information	
Power	6KW
Max Pallet Height	1.2m
Packing Size L×W×H(mm)	(1500~3000)*(500~1300)*(50~120)
Packing Speed	6~8 times/min
Flooring dimensions L×W×H	3000*1400*3200mm

### Ordering Information

MLY-2100	Automatic Feeding Machine
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## Automatic Film Sealing Machine

### Features

It adopts a frame-type design to connect the whole line. It has high stability and the heating part is a stainless steel heating tube, which is suitable form as shrink packaging for wood door. Controlled by PLC, which greatly reduces the work intensity and increases production efficiency. It cuts the shrink foil to packaging width and puts the splice in the middle on one side, which presents your product particularly nicely. Combined with the dual compartment shrink tunnel, the MLY-Film delivers the best packaging results.

### Advantage

- Very solid packaging machine
- High packaging capacity
- Great packaging results
- Energy friendly shrink tunnel
- It splices the shrink film completely shut along both the longitudinal and the lateral sides. This way your parquet is completely protected against dirt, dust and moisture.



Technical information	
Power	13KW
Power Supply	110/220/380V; 50/60HZ;
Packing Size L×W×H (mm)	(1500~3000)*(500~1300)*(50~120)
Packing Weight	80kgs
Packing Speed	1-2packs/min
Shrink Film	PE Thickness: 0.04-0.08mm
Sealing Knife Temperature Control	Room Temperature to 300℃
Conveyor	PVC
Air Source	6-8kg/cm2
Flooring dimensions L×W×H	6510*1800*1650mm
Crate Size L×W×H	6600*1850*1800mm
Gross Weight	400kgs

### Ordering Information

MLY-2200	Automatic Film Sealing Machine
MLY-2201	Automatic Film Sealing Machine (without operating platform)

Shrink Tunnel

Features

It has high stability and the heating part is a stainless steel heating tube, which is suitable for shrink packaging for wood doors. Controlled by PLC, which greatly reduces the work intensity and increases production efficiency. It cuts the shrink foil to packaging width and puts the splice in the middle on one side, which presents your product particularly nicely. Combined with the dual compartment shrink tunnel, the MLY-Film delivers the best packaging results.

Advantage

- Very solid packaging machine
- High packaging capacity
- Great packaging results
- Energy friendly shrink tunnel
- It splices the shrink film completely shut along both the longitudinal and the lateral sides. This way your parquet is completely protected against dirt, dust and moisture.



Technical information	
Power	55KW
Power Supply	380V; 50/60HZ;
Packing Size L×W×H(mm)	(1500~3000)*(500~1300)*(50~120)
Packing Speed	0-18 meters/min
Shrink Film	PE Thickness: 0.04-0.08mm
Heating Tube	Stainless Steel
Tunnel Temp	Room Temperature to 300℃
Conveyor	PVC
Flooring dimensions L×W×H	4600*1480*1500mm
Crate Size L×W×H	4650*1550*1650mm
Gross Weight	1000kgs

Ordering Information

MLY-2300	Automatic Film Sealing Machine
MLY-2301	Automatic Film Sealing Machine (without operating platform)



### Automatic Palletizer

#### Features

The palletizer automatically collects the finished products from the lines to the pallets, which is convenient and safe.

#### Advantage

- The continuous collection method is adopted, which is faster.
- When changing specifications, select the stacking type on the panel, and the adjustment of mechanical parts is simple and convenient; it can store a variety of stacking types;
- Large-capacity automatic collector
- The stacking is neat, beautiful and efficient; it can greatly reduce labor cost.



Technical information	
Power	8.5KW
Max Pallet Height	1200mm
Packing Size L×W×H (mm)	(1500~3000)*(500~1300)*(50~120)
Max packing Weight	100kgs
Packing Speed	10 pallets / hour
Flooring dimensions L×W×H	3000*2000*3200mm

#### Ordering Information

MLY-2400	Automatic Palletizer
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Automatic Film Sealing Machine & Shrink Tunnel



Packing Products	Wood Door
Product dimensions L×W×H (mm)	1600~2800*500~1100*10~100
Packing Speed	1~6 packs/min
Packing Film	POF
Power	57 kw

Automatic Film Sealing Machine & Shrink Tunnel



Packing Products	Wood Door
Product dimensions L×W×H (mm)	2030~2090*750~850*65
Packing Speed	1~2 packs/min
Packing Film	PE
Power	68kw

Flipping Machine



Packing Products	Wood Door
Product dimensions L×W×H (mm)	1800~2300*200~1200*30~70
Max Weight	80kgs
Transfer Speed	15m/min
Power	5kw

Automatic Feeding/ Film Sealing/ Shrink/ Pallet Packaging Line



Packing Products	Wood Door
Product dimensions L×W×H (mm)	1600~2800*500~1100*10~100
Packing Speed	5-10 Pallets/Hour
Packing Film	PE
Power	80kw

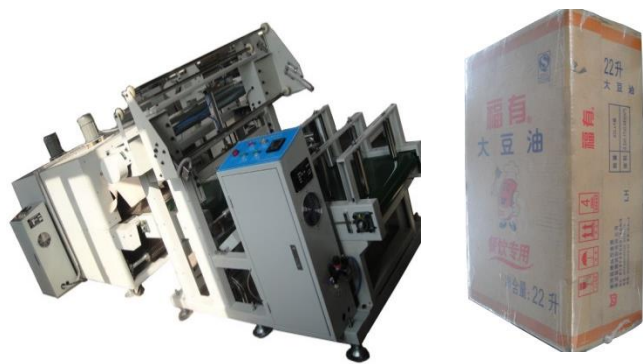
**PACKAGING LINE  
FOR OTHER PRODUCTS**



Automatic Film Sealing Machine + Shrink Tunnel



Packing Products	Sauna Board
Product dimensions L×W×H (mm)	6000*250*250mm
Packing Speed	1~2 pack/min
Packing Film	PE
Power	42 kw



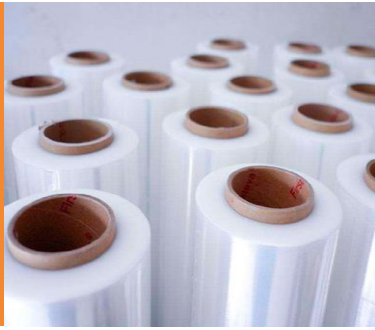
Packing Products	22L soybean oil
Product dimensions L×W×H (mm)	490*300*170mm
Packing Speed	10~12 packs/min
Packing Film	PE
Power	35kw



Packing Products	Solar Board
Product dimensions L×W×H (mm)	2000*850*80mm
Packing Speed	2~3 packs/min
Packing Film	PE
Power	40kw



Packing Products	Aluminum Profile
Product dimensions L×W×H (mm)	6000*190*160mm
Packing Speed	1~2 pack/min
Packing Film	PE
Power	42kw



## PACKING MATERIALS

PE (Polyethylene ) Shrink Film

PE shrink film is used for packaging heavier products.

PE shrink film is most often extruded onto single wound or flat rolls. The rolls are used on shrink bundling machines that have a sealing bar and shrink tunnel.

Technical information	
Thickness	20~250 μm
Avg. Shrink Temp	150~220℃
Avg. Shrink Rate Horizontal	5%~55%
Avg. Shrink Rate Vertical	50%~80%
Common Uses	Heavy-duty applications from bottles of water to buildings

POF (Polyolefin) Shrink Film

POF Shrink wrap is preferred for a variety of reasons, including fewer odors when sealed, stronger seal, and more flexible storage.

POF shrink films do not have any chlorine; therefore, they do not produce hydrogen chloride gas.

POF shrink wrap does not have any plasticizers, so the temperature is not an issue.

POF can be stored in a wide range of temperatures and does not harden and soften in different environments.

Technical information	
Thickness	15~30 μm
Avg. Shrink Temp	120~130℃
Avg. Shrink Rate	70%
Common Uses	Mainly used for packaging regular and irregular shaped products

\* Film sizes are customized according to the packing dimensions

Benefits Of Using Shrink Film For Product Packaging

Product Protection

Shrink films provide a layer of safety and tamper evidence to your packaging as well as protection from moisture, dirt, and other contaminants.

Durability

High-strength shrink films provide puncture resistance and strength to your package throughout its lifecycle.

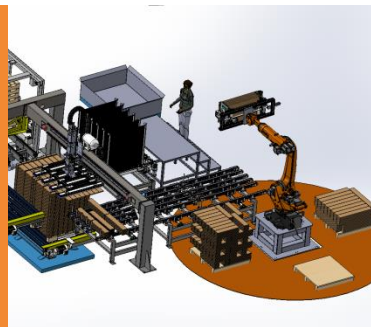
Clarity

Not only does shrink film help enhance the visibility of your product on retail shelves, but it also enhances the look of your product with a beautiful shine.

Reduce Product Footprint

Shrink films are lighter than other competitive packaging options, reducing emissions and overall carbon footprint, and allowing more space in transit and in the retail space.

## COMPOSING YOUR PACKING LINES





5.1

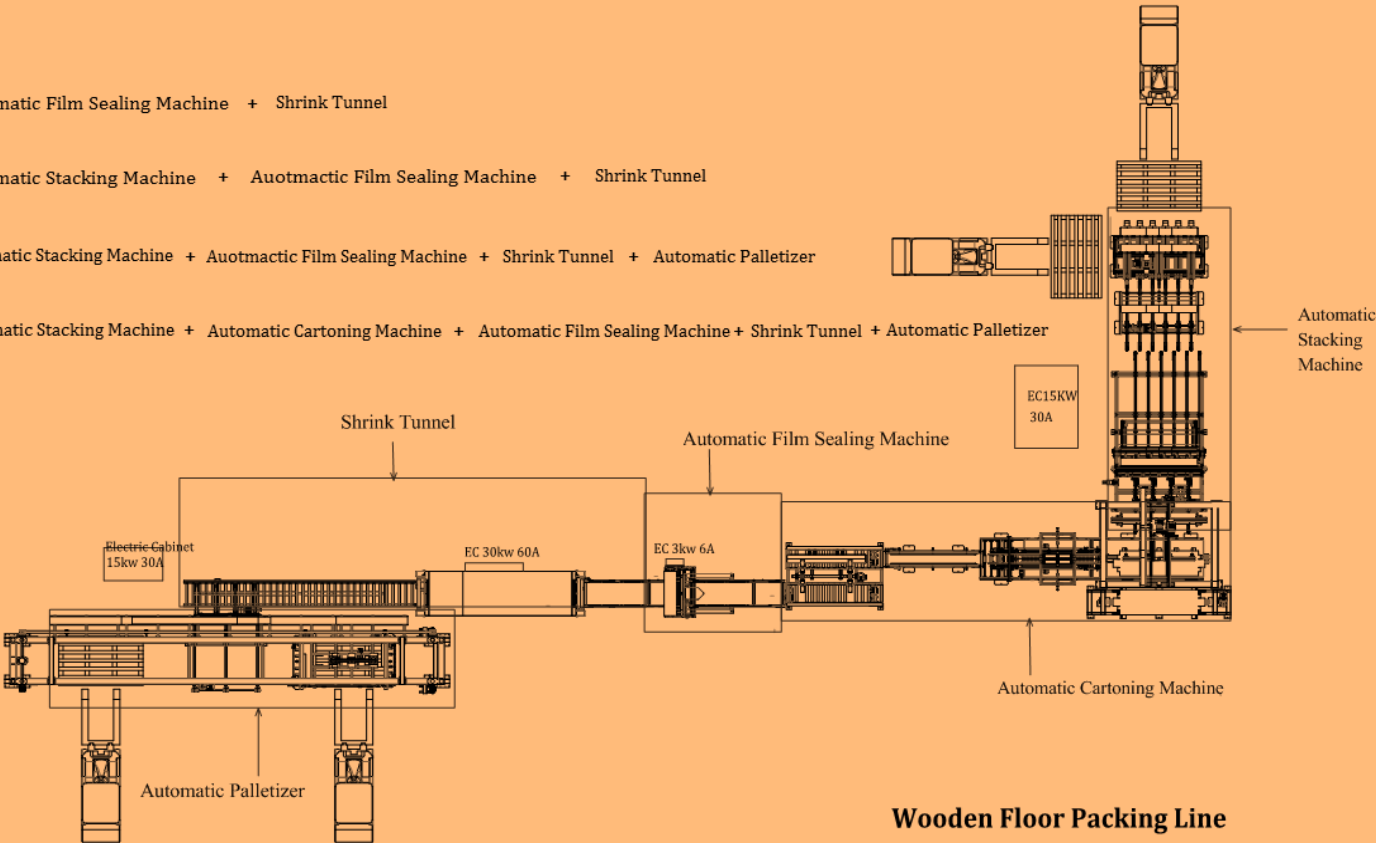
Composing Your Packing Line

Automatic Film Sealing Machine + Shrink Tunnel

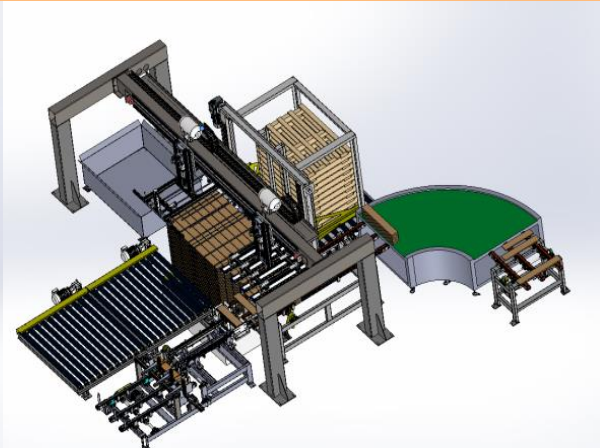
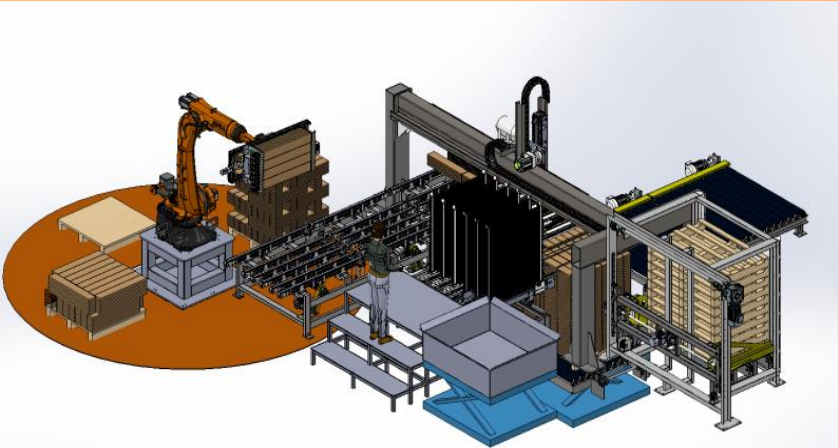
Automatic Stacking Machine + Auotmactic Film Sealing Machine + Shrink Tunnel

Automatic Stacking Machine + Auotmactic Film Sealing Machine + Shrink Tunnel + Automatic Palletizer

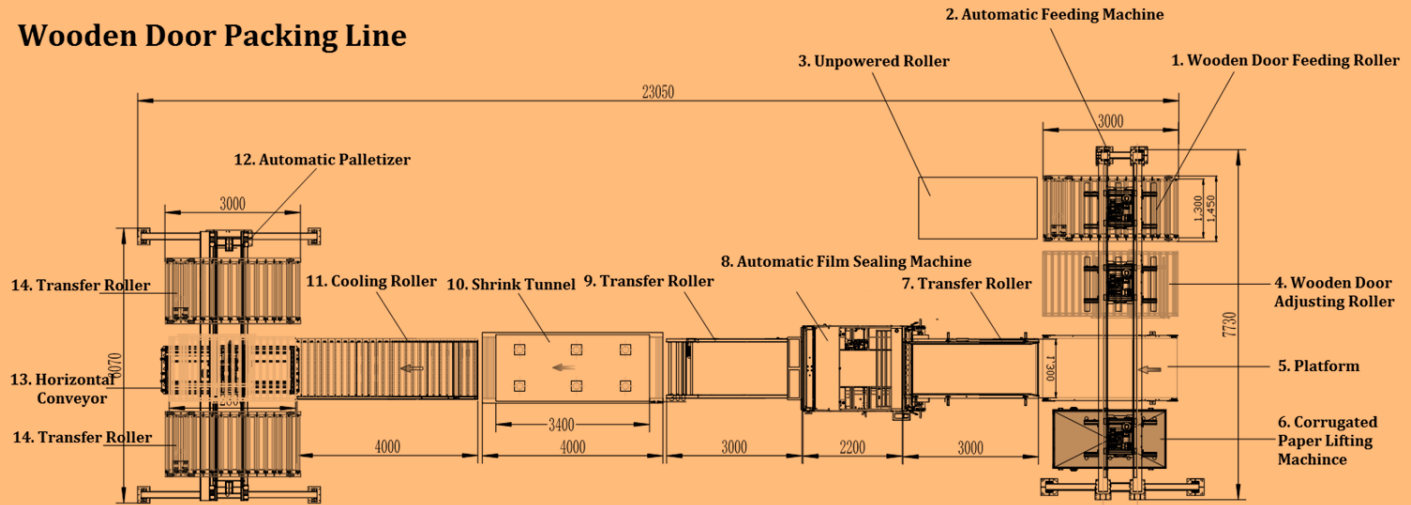
Automatic Stacking Machine + Automatic Cartoning Machine + Automatic Film Sealing Machine + Shrink Tunnel + Automatic Palletizer



Wooden Floor Packing Line



Wooden Door Packing Line





MLY TECHS

**MLY TECHS** PACKING MACHINES