

Comprehensive raw material bag emptying solutions








Independent edition for layer bag splitter

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XUNLI Automation Equipment co., Ltd

Select right type of bag emptying machine for your company

Major equipment and features	Bag emptying machine
<p>➤ LAB-1350 Layer bag splitter:(XUNLI Technology)</p> <ol style="list-style-type: none"> 1. Average above 99.98% emptying rate 2. Near 0 bag chips into the material 3. Max efficiency from 650 to 800bags per hour 	
<p>➤ STAB-850 Small bag splitter (XUNLI Patented)</p> <ol style="list-style-type: none"> 1. Can handle bags made of different material, and in different sizes and structures 2. Near 0 bag chips generated with one piece of blade cut open bags 	
<p>➤ MTAB-800 Mini bag splitter (XUNLI Patented)</p> <ol style="list-style-type: none"> 1. Built-in spray ball for online cleaning 2. Near 0 bag chips generated with one piece of blade cut open bags 	
<p>➤ RAB-Drum screen bag splitter (XUNLI Technology)</p> <ol style="list-style-type: none"> 1. Broad applicability 2. Can handle most bags and materials 3. Easy operation and maintenance 	
<p>➤ Robot unloading & bag emptying</p> <ol style="list-style-type: none"> 1. Robot unloading +Bag emptying machine: Can handle most powder and pellets material's bag emptying 2. Robot unloading +Bag dumping station, Can handle most pellets and some powder material's bag emptying 	

Find XUNLI to get right type of bag emptying machine

LAB-1350 Layer bag splitter

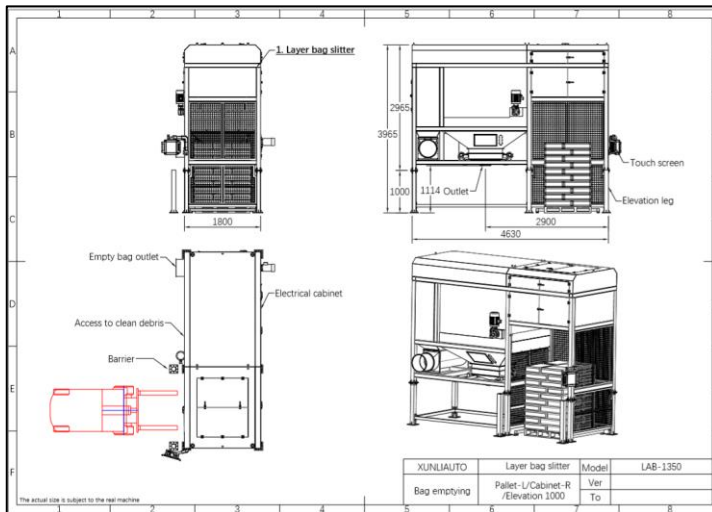


Key features

- ✓ Average emptying rate higher than 99.98% in most cases with 600bags/hour
- ✓ Near 0 bag chips into the material after equipped with filter box
- ✓ More flexible layout to better fit the space while equipping with pallet conveyor and pallet stacker

XUNLI Technology

Perfect choice for plastic industry



Three-view drawing of LAB-1350 standard unit

More features

- ✓ No internal residue left inside the machine
- ✓ High applicability for not even stack bags
- ✓ Comparative smaller size with smaller footprint
- ✓ Easy installation and maintenance

Equipment description

Layer bag splitter: Once a pallet of sacks is loaded into the machine, the internal bag-catching device descends to grab the top layer of sacks, working layer by layer to move the sacks forward inside the machine. During this process, a row of blades cuts open the bags from the bottom. After the bags are cut open, the emptying device shakes to thoroughly empty the material from the bag into the hopper below. Finally, the empty bags are collected by the empty bag compactor and extruded out.

LAB-1350 standard unit



Flexible layout with pallet conveyor and pallet stacker



Better applicability and higher emptying rate

Uneven stack bags



Emptying rate > 99.98% - 99.99%

Even stack bags



Emptying rate > 99.99%

In most actual operating conditions, the equipment works normally with high emptying rate

Automatic control system

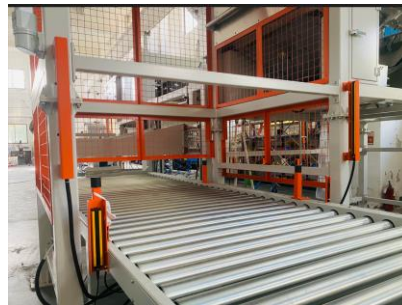


PLC	PLC numerical control system to complete the adjustment and automatic working cycle of the machine, and
Touch screen	The touch screen implements parameter setting ,fault self-diagnosis function

➤ Automatic control system

- 1) The automatic control system utilizes a Siemens PLC numerical control system to manage the equipment's operations, enabling one-touch start and stop functionality.
- 2) The system allows for easy adjustment and setting of working parameters via the touchscreen interface.
- 3) With high reliability, the system is capable of performing self-diagnosis, issuing alarms, and recording equipment failures for further analysis.

Security protection



Mechanical protection	Exposed transmission parts adopt mechanical protection
Light curtain protection	Light curtain to prevent personnel from entering the bag catching area

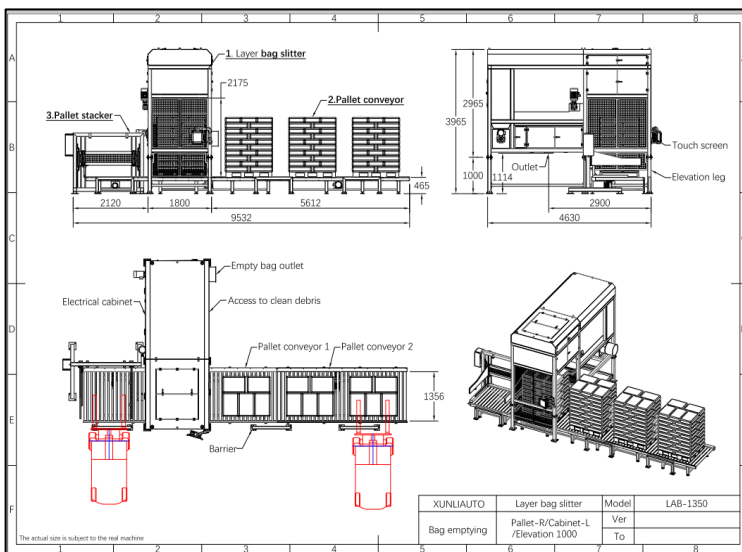
➤ Equipment security

- 1) The equipment is equipped with safety nets and light curtain protection to prevent personnel from entering the bag-catching area during operation.
- 2) Exposed transmission components are safeguarded with mechanical protection, while all access doors and electrical cabinet doors can be locked for added security.
- 3) Additionally, interlocking control mechanisms between equipment components prevent misoperation, ensuring both the safety of the equipment and personnel.

Parameters for: LAB-1350 standard unit

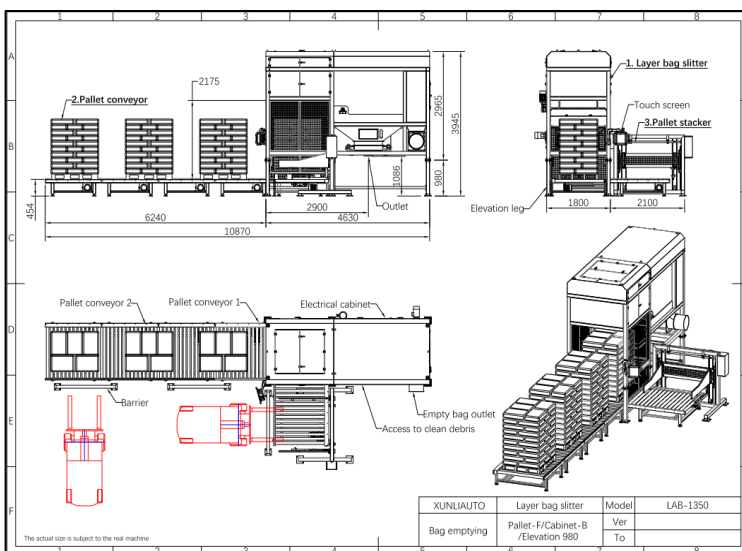
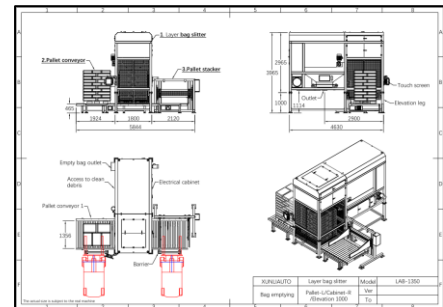
Measures:	Width:1.8m*length:4.63m, height:3.96m
Energy consumption & CA:	7kwh, 10kw; max 150L/min/0.6mpa
processing capacity & emptying rate:	About 99.98%-99.99% with max 650bags/hour
Suitable for material:	PP, PE, HDPE and other pellets material
Suitable for bag:	Plastic, paper, laminated woven bag., etc.
Weight:	Around 3.5 ton, use 5 ton forklift to move the machine
Pallet specification:	Suitable for outer length and width1.1-1.35MM range, height below 2.3M

More options of layout to fit your space



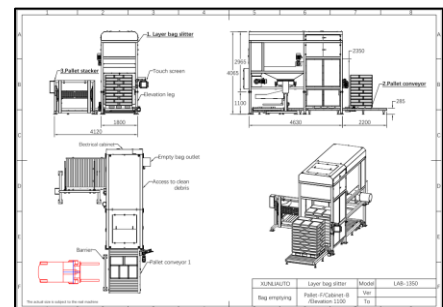
Description:

1. The pallet conveyor line can be placed on the left or on the right
2. As drawing shows it realize 3 pallet stack bags waiting for emptying on the line.
3. The length of the pallet conveyor can be configured according to requirements, as shown below:

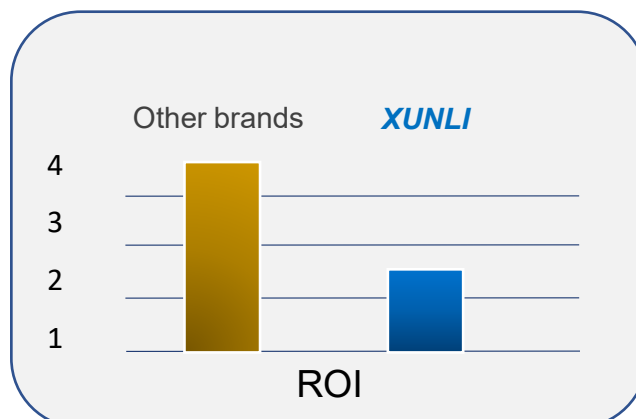
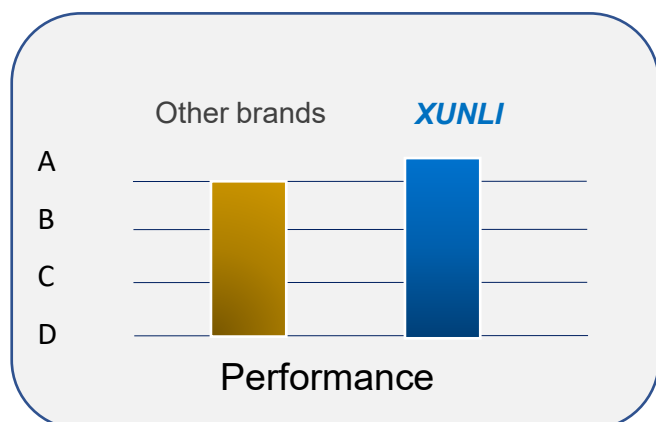


Description:

1. The pallet conveyor line can be placed on the front side
2. The pallet stacker can be placed on the left or right side to collect empty pallets
3. The pallet stacker can be placed at the end to collect empty pallets as shown below:



Better Performance and More cost-effective



Comparison items	XUNLI VS Other brands
High emptying rate	Average above 99.98% with 600bags/hour in most cases
Zero bag chips	Near 0 bag chips into the material, making it suitable for industries with high requirements for bag debris, such as film stretching and calendaring .
Strong adaptability	Strong adaptability to uneven pallet stacking, making it better suited for palletized loads that are not perfectly flat
Smaller equipment size	Compact equipment design with a smaller footprint, saving production space
Easier installation	High level of integration, allowing installation and debugging to be completed within one day.
Less risk of screws	Use welding process as much as possible to minimize the risk of screws falling out
Remote diagnosis	The equipment is equipped with IoT modules, enabling remote diagnostics for troubleshooting.

Large end-users who have purchased XUNLI LAB-1350 Layer bag emptying machine three or more times

We Are Great at What We Do
Looking For Global Cooperation
Higher Performance Bag Emptying Machine



Global Distributors Wanted
We Welcome All Forms of Cooperation.

COOPERATION & WIN-WIN

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