

Comprehensive raw material bag emptying solutions



Independent edition for small bag slitter

Global Distributors Wanted
We Welcome All Forms of Cooperation.

XUNLI Automation Equipment co., Ltd

Select right type of bag emptying machine for your industry

XUNLI bag emptying machine corresponds to a variety production needs in different industries

Mainly applied industry and features	Bag emptying machine
Plastic industry: <ol style="list-style-type: none"> 1. Average above 99.98% emptying rate with 600bags/hour 2. Near 0 bag debris into the material 3. More flexible layout to better fit the space <div>XUNLI Technology</div>	 <p>➤ LAB-1350 Layer bag splitter</p>
Various industries: <ol style="list-style-type: none"> 1. Small size 2. Can handle most bags and materials 3. Can handle bags of different size by one machine 4. Near 0 bag debris generated with one piece of blade cut open bags 5. Up to 180bags/hour with high emptying rate 	<div>XUNLI Patented Equipment</div>  <p>➤ STAB-850 Small bag splitter</p>
Pharma and Food industry: <ol style="list-style-type: none"> 1. Very small size 2. Built-in spray ball for online cleaning 3. Can handle certain variety of bags and materials 4. Near 0 bag debris generated with one piece of blade cut open bags 5. Up to 150bags/hour with high emptying rate 	<div>XUNLI Patented Equipment</div>  <p>➤ MTAB-800 Mini bag splitter</p>
Various industries: <ol style="list-style-type: none"> 1. Broad applicability 2. Can handle most bags and materials 3. Up to 1000bags/hour with high emptying rate 4. Easy operation and maintenance <div>XUNLI Technology</div>	 <p>➤ RAB-1350 Drum screen bag splitter</p>

Find XUNLI for right type of bag emptying machine for your industry

STAB-850 Small bag slitter

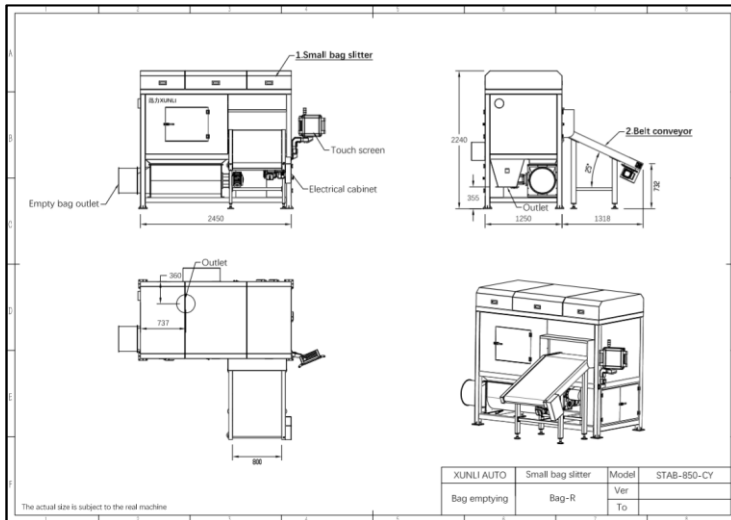


XUNLI Patented Equipment

Key features

- ✓ Can handle most bags and materials
- ✓ Can handle bags of different size by one machine
- ✓ Near 0 bag debris generated with one piece of blade cut open bags

Broad applicability for various industries



Three-view drawing of STAB-850 standard unit

More features

- ✓ Small size
- ✓ High applicability for various structure bags
- ✓ Up to 180bags/hour with high emptying rate
- ✓ Simulating human movement to empty the bag

Equipment description

Small bag slitter: The belt conveyor transports the bag into the small bag slitter. Inside the machine, a bag-catching device grabs the bag and moves it toward the other side. During this movement, a rolling cutter cuts open the bag from the bottom, allowing the material to fall into the hopper by gravity. The bag-emptying device then imitates human motion, shaking the bag to ensure all material is emptied. Finally, the empty bag is automatically collected by the empty bag compactor and extruded out.

STAB-850 Small bag splitter



Explosion-proof Configuration Detail Picture



Explosion-proof junction box



Inside the explosion-proof electric cabinet

Can handle different bags by one machine

Different bag size



Different bag material



Different bag structure



Fit for various bags: Plastic bag, paper bag, woven bag, film-coated woven bag, paper-plastic composite bag, tie closure bag, vacuum bag, multi layer bag, foil bag

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 to manage the equipment's operations, enabling one-touch start and stop functionality.
- 2) The working parameters of the equipment can be easily adjusted and set via the touch screen interface.
- 3) With high reliability, the system includes self-diagnosis capabilities, providing alarms and recording any equipment failures.

Security protection



Mechanical protection	Exposed transmission parts adopt mechanical protection
Visual window	Visual window is equipped for clear internal observation

➤ Equipment security

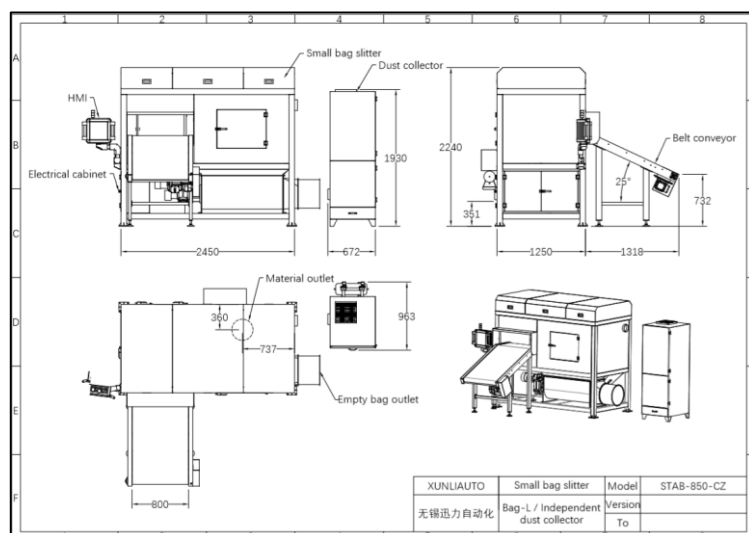
- 1) The high-level alarm is integrated to ensure the equipment operates within normal parameters.
- 2) Interlocking controls between the components prevent malfunctions and protect both the equipment and personnel from errors.
- 3) The control system features a 3-level password protection mechanism to prevent unauthorized operation by non-professionals.

Parameters for: STAB-850 standard unit

Measures:	Width:1.25mm*length:2.45m* height:2.235m
Energy consumption & CA:	2.2kwh/3.2KW, max 150L/min/0.6mpa
processing capacity & emptying rate:	About 99.8%-99.99% with max 180bags/hour
Suitable for material:	Most powder, granule and pellets material
Suitable for bag:	Almost all kinds of bags and sacks
Weight	Around 1.2 ton, use 3 ton forklift to move the machine
Bag specification:	suitable for outer length 550-850MM, width 350-550MM, height 100-200MM range

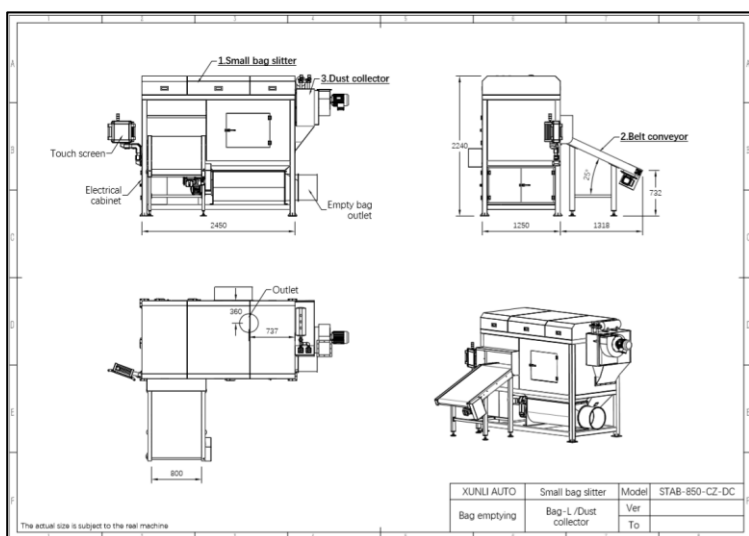
More options to fit your requirements

Equipped with the dust collector, there is no dust leakage during the whole bag emptying process



Small bag slitter + Dust collector

- Advantage:
The use of independent dust collector can reduce cross contamination between different materials



Small bag slitter with integrated dust collector

- Advantage:
Higher level of equipment integration and smaller footprint

Lead advantages comparing with other similar machine

Comparison items	XUNLI Small bag splitter	Other similar machine
Bags of different sizes and structures	Can handle bags of different sizes and structures by one machine at the same time	No other similar small bag splitter can handle bags of different sizes and structures by one machine at the same time
Bag debris	Near 0 bag debris generated with one piece of blade cut open bags for one layer structure bags	More bag debris for most other similar small bag splitter
Suitable for material	Most powder, granule and pellets material	Few other similar small bag splitter can handle all these material

More configuration



The equipment can be configured according to the user's requirements

1. Separate dust collector or integrated dust collector
2. Adopt explosion-proof configuration or non-explosion-proof configuration
3. Carbon steel spraying coating or stainless steel according to user's material and industry.



Limitations on the application of equipment

- The equipment is not suitable for handling hard lumps, corrosive, or flammable/explosive materials.
- For multi-layer paper-plastic composite bags, vacuum packaging bags, and other types of bags, the actual bags must be provided to assess their compatibility with the equipment.
- Materials containing lumps, or bags with special forms, may impact the equipment's performance and technical parameters.

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



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COOPERATION & WIN-WIN

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