Automatic Stacking Cutting Machine for Fabric & Wire | Cut-100D to WPM-Cut-1200

Model No. Cut-100D to WPM-Cut-1200



SPECIFICATIONS

Automatic Stacking Cutting Machine for Fabric & Wire | Cut-100D to WPM-Cut-1200	
Cutting Width	120mm to 515mm
Max Cut Length	100M
Speed	80M/Minute
Accuracy	0.1mm
Power Supply	220V 50/60Hz
Segment Length Range	0.1-99999.9mm

The Cut-100D to WPM-Cut-1200 is a bench-top automatic stacking cutting machine for rolled fabric, non-woven, tape and wire. Material is drawn off an unwind stand by powered rollers, cut to a programmed segment length, and delivered as a stack of flat pieces. The series runs from the narrow Cut-100D through to the WPM-Cut-1200; the standard configuration is quoted at a 120–515mm cutting width.

Cutting roll goods by hand gives a ragged edge, and gathering loose pieces afterwards takes a second operator. On this machine the unwind stand holds the roll under tension, the feed rollers advance the web by the programmed length, and the blade bar cuts across the full width in one pass; the piece drops onto the stacking tray already aligned. Segment length is entered on the controller from 0.1mm to 99999.9mm, at 0.1mm accuracy and a feed speed of 80m per minute.

This is the roll-fed stacking machine in the cutting group, working at 120–515mm width with a maximum cut length of 100m. The WPM-6100 beside it is a narrower digital cutter for ribbon and tape, up to 200mm wide, running 100–120 pieces per minute at ±0.1mm, and it counts pieces rather than stacking them. Choose the stacking machine for wide web and long segments, the 6100 for narrow tape in counted batches.

Key Features

1. Cutting width of 120–515mm in the standard configuration, with the series extending from Cut-100D to WPM-Cut-1200 for wider webs.

2. Segment length programmable from 0.1mm to 99999.9mm, with a maximum cut length of 100m per piece.

3. Feed speed of 80m per minute, set from the controller to match the material and the cut length.

4. Cutting accuracy of 0.1mm held by the roller feed, which advances the web by the programmed length before each blade stroke.

5. Unwind stand with adjustable arms carries the roll and holds the web under tension into the feed rollers.

6. Stacking tray behind the blade bar receives each cut piece flat, so the stack stays square without a second operator.

Technical Specifications

Parameter	Specification
Model	Cut-100D to WPM-Cut-1200
Machine type	Automatic Stacking Cutting Machine
Cutting Width	120mm to 515mm
Max Cut Length	100M
Speed	80M/Minute
Accuracy	0.1mm
Segment Length Range	0.1–99999.9mm
Power Supply	220V 50/60HZ

Model Range at a Glance

Ten cutting machines from WPM-Cut-100D to WPM-Cut-1200. Cutting width grows in line with the model number, while cutting length, speed and accuracy are identical across the range.

Parameter	WPM-Cut-100D	WPM-Cut-200	WPM-Cut-300	WPM-Cut-400	WPM-Cut-500	WPM-Cut-600	WPM-Cut-700	WPM-Cut-800	WPM-Cut-1000	WPM-Cut-1200
Cutting width	120 mm	215 mm	315 mm	415 mm	515 mm	615 mm	715 mm	815 mm	1015 mm	1215 mm
Max cutting length	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
Speed	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min	80 m/min
Accuracy	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm

Applications

— Non-woven converting, cutting rolls of wadding, felt and lining into panels for stitching.

— Textile and garment trimming, cutting binding tape and bias strips to fixed lengths before assembly.

— Cable and wire processing, cutting flexible cable, sleeving and braided tube into harness segments before termination.

— Packaging, cutting foam sheet, bubble wrap and barrier film into inserts of consistent length.

— Filter media production, cutting flat and pleated media to segment length for element assembly.

FAQ

What materials can the Automatic Stacking Cutting Machine process?

The Cut-100D to WPM-Cut-1200 series is a versatile multi-function cutting machine designed to handle fabric rolls, non-woven materials, and wire processing. It is ideal for industries requiring precision cutting of textiles, technical textiles, and wire components, making it a comprehensive industrial cutting system.

What is the cutting accuracy and speed of this machine?

This high-precision automatic stacking cutting machine delivers exceptional accuracy of up to 0.1mm and operates at speeds up to 80 meters per minute. This combination ensures efficient, high-volume production with minimal material waste, enhancing overall productivity for fabric and wire cutting operations.

What are the available model sizes for the fabric roll cutting machine?

The product line offers models ranging from the Cut-100D to the WPM-Cut-1200, accommodating cutting widths up to 1200mm. This range allows you to select a model that precisely matches your material width requirements, providing flexibility for various industrial applications.

How does the automatic stacking feature benefit my production line?

The integrated automatic stacking system organizes cut pieces immediately after cutting, eliminating manual handling. This feature significantly reduces labor costs, minimizes errors, and ensures a smooth, continuous workflow, which is crucial for high-speed operations in fabric and wire processing.

Is this machine built for heavy-duty industrial use?

Yes. Engineered for industrial-grade durability, this precision cutting equipment is constructed with robust components to withstand continuous operation in demanding environments. Its reliable design ensures long-term performance with minimal downtime, offering an excellent return on investment for your cutting operations.