AMC

Low Speed Edge Board Protector Line
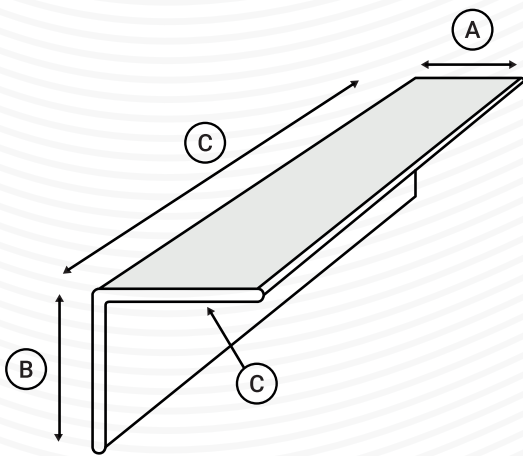### Model ZHJ-100D

Edge Board Protectors are made of multiple plies of recycled paper laminated together and formed into a rigid right angle. The Protectors are precisely cut to length. Edge Board Protectors improve tension transmission of strapping and afford product edge protection from strapping damage.

The Edge Board Protector is a packaging accessory that is used as a reinforcement to improve load resistance against vibrations and tension, reduce product damage, higher strap tension, more secure loads, enhances the stacking strength of palletized goods, prevent surface scratches, repels and absorbs corner damage.

Edge Board Protector is an excellent replacement for wood packaging, can be sized to serve any size load or container, ideal for applications requiring internal support, serves a variety of packaging functions, including edge protection, unitization, load stability, beam strength and stacking strength.
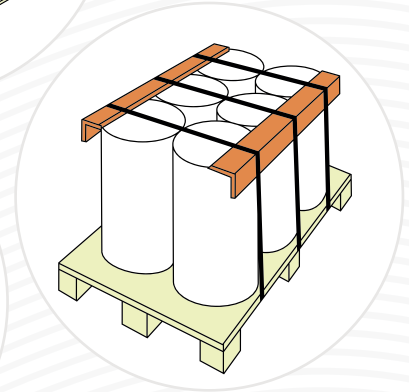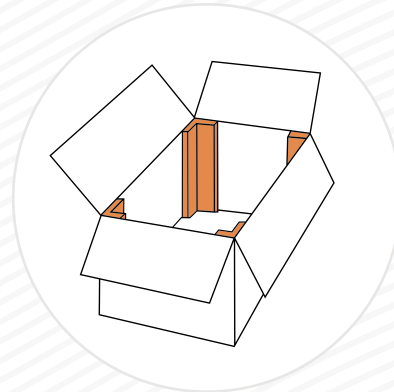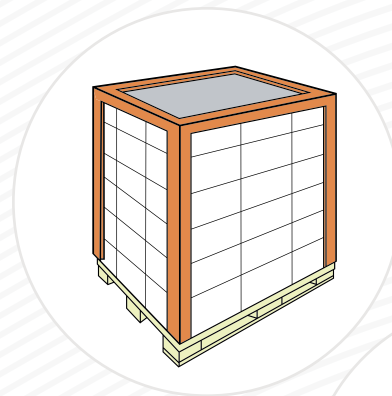
Edge Board Protector sizes are based on the following dimensions.

The perfect edge to protect your product line.

CHARACTERISTICS

1.- Low Speed Edge Board Protector Line **ZHJ-100D** maximum working speed is 40 m/minute.

2.- Touch screen and servo system for enabling user friendly operations

3.- Equipped with a unique and advanced technology

4.- Stringently tested on various standard quality parameters, like functioning, efficiency and maintenance.

5.- Cascade type gluing unit.

6.- Automatic counter for calculating production.

7.- Single Flexo Printer and 90° Angle Cutting Unit as additional options.

Code	Description
A	Leg Lenght One
B	Leg Lenght Two
C	Caliper
D	Lenght

Edge Board Protector are made from 100% recycled materials and are 100% recyclable.

SPECIFICATIONS

LOW SPEED EDGE BOARD PROTECTOR LINE
Model ZHJ-100D

Electrical Requirements		Product	Edge Board Protector Line
		Brand	AMC
Voltage	220/380/440 V+/- 5%	Model	ZHJ-100D
Phase	3PH + PE	Origin	China
Frequency	50/60 Hz	Application	Cardboard Corner Manufacturing

Operating Conditions		Dimensions	
Operating Temperature (ºC)	10 - 50ºC	Length	32000 mm
Operating temperature Maximum (ºC)	50ºC	Width	2500 mm
Ambient Temperature Installation (ºC)	Min. 10ºC Max. 50ºC	Height	2600 mm
Relative Moisture	Min. 45% Max. 75%	Weight	4770 Kg
Altitude (m)	100m Above Sea Level	Required Floor Area	
		35,000 x 4000 mm	

Technical specifications

Working speed	Max. 40m/min		
	Speed	Length Min.	Length Max.
Edge Protector Length	40m/min	1000 mm	No. Limit
	30m/min	800 mm	No. Limit
	25m/min	600 mm	No. Limit
	20m/min	500 mm	No. Limit
	12m/min	50 mm	No. Limit
Edge Protector Size	Min. Size: 30 mm Subject to the following restrictions: 1) Edge Board Thickness NO GREATER than 4 mm 2) Speed NO GREATER than 20 m/min Max. Size: 80 mm Subject to the following restrictions: 1) Edge Board Thickness NO GREATER than 3 mm 2) Speed NO GREATER than 25 m/min COULD BE SYMMETRICAL AND ASYMMETRICAL		

Edge Protector Thickness	Min. Thickness: 2.5 mm Subject to the following restrictions: 1) Edge Board Size NO GREATER than 80 mm 2) Speed NO GREATER than 20 m/min Max. Thickness: 8 mm Subject to the following restrictions: 1) Edge Board Size NO GREATER than 70 mm 2) Speed NO GREATER than 20 m/min
Edge Protector Angle	Speed Angle 40m/min 110º - 120º 30m/min 95º - 110º 25m/min 85º - 90º 20m/min 85º - 90º 12m/min 85º Above information tested with edge board size 50x50x5mm
in-line Printer	Edge Protector Size 25 - 110 mm Flexo Single Color Printing Diameter of Printing Cylinder 180 mm
Inner Paper Grammage	400-500 g/m² Recycled Paper Paper Surface should be rough
Surface Paper Grammage	140 - 250 g/m² Kraft
Core Diameter of Paper Reel	3" (76 mm) (Customizable)
Glue	Content 1: Kaolin (Al2O3·2SiO2·2H2O) Content 2: Polyethylene (PE) (C2H4)n The solid percent is 15%-25%.
Paper Roll Diameter	1500 mm (As a Maximum)
Layers	3-13
Compressor Air Requirement	0.8MPa/0.2m3

MODULES

Inline Flexo Printer (Optional)

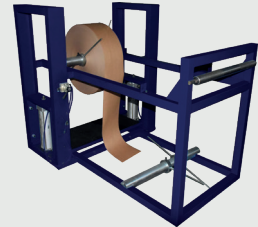The inline printer is designed for single color printing only, simple structure make it easy to operate.

Inner Paper Roll Stand

Used for holding inner paper rolls, replace the paper rolls with an electric hoist to help load paper in order to reduce work intensity.

Surface Paper Stand

Is an independent paper stand, used for holding the surface layer paper roll for making the edge board protector.

Gluing Unit

Cascade type gluing system, with automatic feeding by diaphragm pump, electrical heating with temperature control system, to ensures glue good quality even in low temperature.

Combination Stand

Each layer paper will pass through this combination stand, so that can make sure all layers will be laminated well.

Forming Unit

The control of all system is done in this unit, working speed, edge board protector length, production quantity, etc.

Cutter Unit

Cutting unit is controlled by servo motor, so it can control cutting accuracy on the edge board protector.

90° Angle Cutter (Optional)

This unit can punch dies into the edge board to make it 90° fold.

Transmitting Table

The transmitting table transports the previously cut edge board to the stacking table.

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Counter Stacker

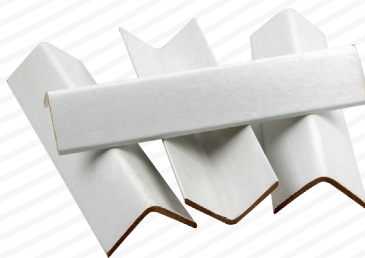The stacking stand will collect the edge board after cutting off.

The edge protectors is a packaging accessory that is used as a reinforcement to improve load resistance against vibrations and tension caused by adhesive hoops or different types of belts, evening force distribution.
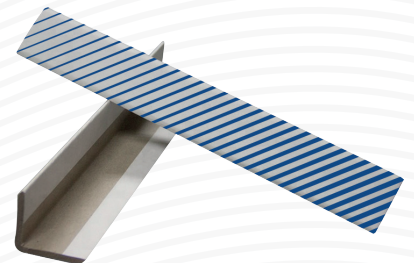
APPLICATIONS

Kraft Edge Board

WhiteEdge Board

Printed Edge Board

*Advertise your brand with a custom color and/or logo.

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