AMC

High Speed Edge Board Protector Line
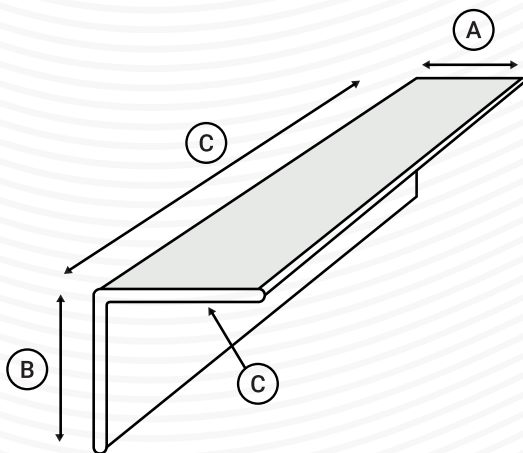### Model ZJK-120G

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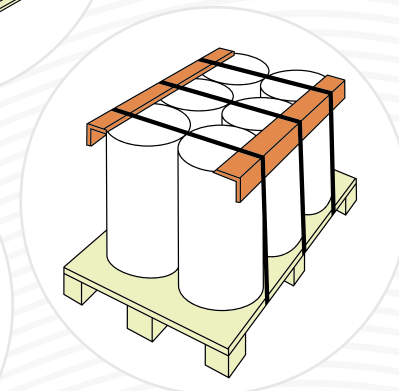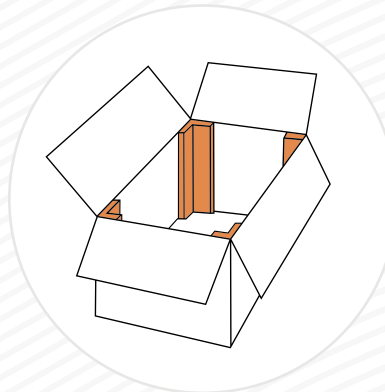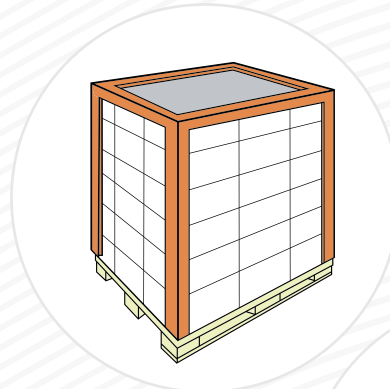
Edge Board Protector is an excellent replacement for wood packaging, can be sized to serve any size load or container, ideal for applications requiring internal support, serves a variety of packaging functions, including edge protection, unitization, load stability, beam strength and stacking strength.

Edge Board Protector sizes are based on the following dimensions.

The perfect edge to protect your product line.

CHARACTERISTICS

1.- High Speed Edge Board Protector Line **ZJK-120G** is fully automated, incorporated with a PLC control panel for enabling user friendly operations.

2.- Equipped with a unique and advanced technology.

3.- Ensure consistent and continuous production.

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

5.- Two motors for adjusting speed synchronously to provide bigger driving force.

6.- Paper Roll lifting system with electric hoist to save labor.

7.- Cascade type gluing unit.

8.- Automatic counter for calculating production.

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

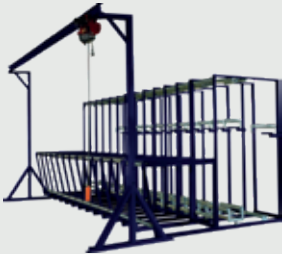## HIGH SPEED EDGE BOARD PROTECTOR LINE
Model ZKJ-120G

Electrical Requirements *Could be Customizable*		Product	Edge Board Protector Line
		Brand	AMC
Voltage	440 V+/- 5%	Model	ZJK-120G
Phase	3PH + PE	Origin	China
Frequency	50/60Hz	Application	Making L Profile Protector

Operating Conditions		Dimensions	
Operating Temperature (ºC)	10 - 50ºC	length	32000 mm
Operating temperature Maximum (ºC)	50ºC	Width	3500 mm
Ambient Temperature Installation (ºC)	Min. 10ºC Max. 50ºC	Height	2600 mm
Relative Moisture	Min. 45% Max. 75%	Weight	6500Kg
Altitude (m)	100m Above Sea Level		

Required Floor Area

35000 x 4000 mm

Technical specifications

Working Speed	Max. 70m/min		
	Speed	Length Min.	Length Max.
Edge Protector Length	70m/min	2000 mm	No. Limit
	60m/min	1500 mm	No. Limit
	50m/min	1000 mm	No. Limit
	40m/min	1000 mm	No. Limit
	30m/min	800 mm	No. Limit
	8m/min	300 mm	No. Limit

Edge Protector Size

Min Size: 30mm
Subject to the following restrictions:
1) Edge Board Thickness No Greater than 4 mm
2) Speed No Greater than 30m / min

Max size: 110mm
Subject to the following restrictions:
1) Edge Board thickness No Greater than 3 mm
2) Speed No Greater than 30m / min

COULD BE SYMMETRICAL AND ASYMMETRICAL

Edge Protector Thickness	Min thickness: 2.5mm Subject to the following restrictions: **1)** Edge Board Size No Greater than 110 mm **2)** Speed No Greater than 30m / min Max thickness: 10mm Subject to the following restrictions: **1)** Edge Board Size No Greater than 90 mm **2)** Speed No Greater than 30m / min

	Speed	Angle
Edge Protector Angle	70m/min 60m/min 50m/min 40m/min 30m/min 8m/min	120º - 130º 95º - 110º 85º - 95º 85º - 90º 85º 80º

In-line Printer	25 - 110 mm Corner Size Flexographic Printing in one color Printing Cylinder Diameter 180 mm
Inner Paper Grammage	420 - 600 g / m^2 Recycled paper the surface of the paper should be rough
Surface Paper Grammage	175 - 250 g / m^2 Kraft
Paper Roll Core Diameter	3" (76mm) (Customizable)
Glue	Content 1: Kaolin (Al203 · 2Si02 · 2H20) Content 2: Polyethylene (PE) (C2H4) n The solid percentage is 15% -25%.
Paper Roll Diameter	1500 mm (Max)
Layers	3-13
Compressed Air Requirement	0.8MPa/0.2m3

MODULES

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Inner Paper 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.

Inline Flexo Printer

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

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.

Wrapper

In this unit the surface layer paper wraps the inner layers paper.

Pre-Fornimg Unit

In this unit start the forming of the edge board angle.

Heater

Use infrared ray heater to help drying the edge board when it pass through this heater unit. Temperature is adjustable.

Forming Unit

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

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Cutter

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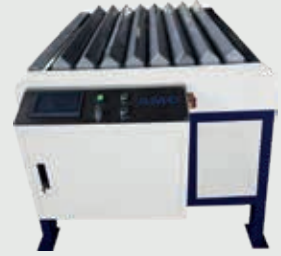
Transmitting Table

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

Counter Stacker

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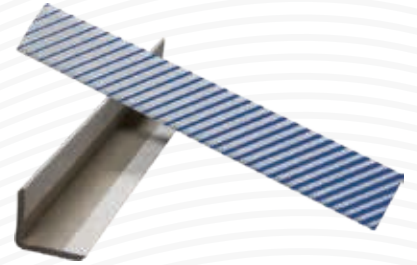
APPLICATIONS

Kraft Edge Board

WhiteEdge Board

Printed Edge Board

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

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