NEW EF SERIES

[1200-3800] Automatic Folder Gluer



One-key setup to shift order within 30 seconds *Option

New Model EF series folder gluer machines are with independent motor driving creates smooth multi-functional, mainly for medium-size packages and quiet running. The carrier upper belts under of 300g -800g cardboard, 1mm-10mm corrugated, stable and easy pressure-control are achieved by E.C.B.A.AB.EB five facer corrugated material, can independent pneumatic devices, Equipped with produce 2/4 folds, crash lock bottom, 4/6 corner high-performance servo motors for definite box, printed slotted carton. The separated driving sections, this series machines can satisfy the and functional module's structure provides demands of highly stable and efficient production. by graphic HMI, PLC control, online-diagnosis, European CE standards. multi-function remote controller. The transmission



Main Features:

- Modulation structure design can upgrade machine functions according to customer's requirements.
- ◆ The whole machine driving way adopts independent synchronized motor driving.
- Specially equipped with paper side alignment section.
- Strengthen, broadened upper and lower belt driving, suitable for corrugated cartons. Upper belt is driven actively with pneumatic cylinder to either maintain pressure or lift.
- ♦ The whole machine carrier's adjustment is motorized for easy commissioning.
- Upper and lower carrier movement adopts linear quide-rail system, to ensure the mechanical accuracy.
- Humanized design for easy installation and operation, one hexagon spanner can adjust the whole machine.
- Final folding, trombone sections with independent motors for adjustment, and pressing conveyor section with squaring device, can effectively avoid the "fish-tail" phenomenon of corrugated products.
- Pressing conveyor section adopts pneumatic cylinders system, is easy to adjust pressure, and make the products
- ◆ Touch screen, graphic HMI, remote controller with multi-function for convenient operation.
- New one-key setup function(*Option) with servo orientation can finish set-up or shift order within min. 30 seconds.

Configurations:

Performance/models	1200	1450	1700	2100	2800	3200						
Max. Sheet size(mm)	1200*1300	1450*1300	1700*1300	2100*1300	2800*1300	3200*1300						
Min. Sheet size(mm)	380*150	420*	420*150 520*150									
Applicable paper		corr	Cardboard 3 rugated paper F、E	0 0	AB							
Max. Belt speed		240m/min										
Machine length	18000mm		220	00mm								
Machine width	2000mm	2300mm	2600mm	3000mm	3700mm	4100mm						
Total power	35KW	42KW 45KW										
Max. Air displacement		0.7m³/min										
Total weight	10500kg	14500kg	15000kg	16000kg	16500kg	17000kg						



>>> Basic box size range (mm):

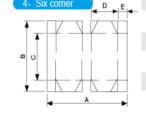
вох т	YPE	MODEL	EF-	1200	EF-	1450	EF-1	700	EF-	2100	EF-	2300	EF-	2800	EF-	3200
1. Straight	line boxes	Spec.	Max	min	Max	min	Max	min	Max	min	Max	min	Max	min	Max	min
4		Α	1200	240	1450	240	1700	420	2100	520	2300	520	2800	520	3200	520
	D	В	1300	150	1300	150	1300	150	1300	150	1300	150	1300	150	1300	150
m	45.	С		120		120		210		260		260		260		260
•		D		50		50		50		50		50		50		50
	A .															

2. Crash-lock bottom boxes	
E	
B	

5	A	1200	420	1450	420	1700	420	2100	520	2300	520	2800	520	3200	520
	В		210		210		210		260		260		260		260
	С	840	100	840	100	940	100	940	100	940	100	940	100	940	100
	D	300	35	300	35	300	35	300	50	300	50	300	50	300	50
	Е		50		50		50		50		50		50		50



	Α	1000	240	1200	240	1480	240	1580	320	1680	320	1880	320	1880	320
A	В	940	120	1140	120	1420	120	1500	160	1600	160	1800	160	1800	160
	С	200	30	200	30	200	30	200	40	200	40	200	40	200	40
	D	1000		1000		1000		1100		110		1100		1100	
	Е		100		100		100		150		150		150		150



B 800 800 900 900 900 900 900 900 C 100 100 100 150 150 150 150 150 D 450 540 640 800 850 950 950 950 E 150 35 200 35 200 50 200 50 200 50 200 50	Six corner D LE	А	1000		1200		1400		1750		1850		2100		2100	
D 450 540 640 800 850 950 950		В	800		800		900		900		900		900		900	
		С		100		100		100		150		150		150		150
E 150 35 200 35 200 35 200 50 200 50 200 50 200 50	lli ii il	D	450		540		640		800		850		950		950	
	<u>*</u>	Е	150	35	200	35	200	35	200	50	200	50	200	50	200	50



egular slotted container	Α	1200	240	1450	240	1700	420	2100	520	2300	520	2800	520	2800	520
	В	1100	120	1300	120	1300	210	1300	260	1300	260	1300	260	1300	260
D	С		120		120		120		275		275		275		275
	D		50		50		50		50		50		50		50

Remark: can customize for the boxes of special sizes

Characteristic: —



Feeding section:

Driven by independent AC motor with controller, widened belts, knurl rollers and vibrator for smooth and accurate speed adjustment. The left and right thick metal boards can be easily moved according to the paper width; three feeding blades can adjust the feeding size according to the paper length. The suction belts by vacuum pump cooperating with the motor, ensures the feeding continuous and stable. Stacking height up to 400mm. Vibration Can operate by remote controller at any position of the machine.



Paper side alignment section:

Three-carrier structure, using push-side way for regulation, guides paper to accurate position with stable running.



Pre-Creasing section (*Option)

Independently driven scoring section, mounted after alignment section, before folding, to deepen scoring lines which are shallow and improve



Pre-folding section (*PC)

The special design can pre-fold the first folding line at 180 degrees and the third line at 135 degrees that can makes box easier to open



Crash lock bottom section:

Three-carrier structure, with the upper-belt transmission, wider lower belts, ensures stable and smooth paper transport. Completed hook devices with accessories to fit wide range of regular and irregular boxes. Upper belt carriers can be lifted by pneumatic device to accommodate different



Lower gluing devices (at left and right) of large capacity, adjustable glue amount with various thickness wheels, simple maintenance.

Characteristic: -



4/6 corner folding system with intelligent servo-motor technology. It allows accurate folding of all back flaps by means of hooks installed in two independent shafts controlled electronically.

Servo system and parts for 4/6 corner box



Yasakawa servo system with motion module ensure high speed response to match high speed request Independent touch screen facilitate the adjustment and make operation more flexible



Final-folding:

Three-carrier structure, special extra-long folding module to ensure paper board have enough space. Left and right outward folding belts are driven by independent motors with variable speed control for straight folding and to assist to avoid "fish-tail" phenomenon.



Squeezing unit in the folding unit can minimize the fault created by slotting unit or rotary die-cutter of traditional Flexo printer.



Upper and lower belt can move forward and back motorized as well as the thickness adjustment to adapt to different kinds of box.



Jogging Squareness device for regular box with jogging apron. (*Standard)

Characteristic: —



Pressing conveyor section:

ith upper and lower independent driving structure, it's convenient to adjust upper conveyor to fit different box length. Soft and smooth belt avoid scratching on the box. Optional sponge belt to strengthen pressing effect. Pneumatic system ensure well balanced and perfect pressing quality. The conveyor speed can be synchronized with the main machine for automatic llow-up by optical sensor as well as be adjusted by manual.

Pneumatc square device at conveyor to avoid fish-tail even for some unique



One-key setup(Option*)

One-key setup function is achieved by distributed servo system with accurate orientation. The control point includes feeder apron, recitification, prefolding, crash bottom, folding unit, glue tank, tromebone and conveyor with more than 20 servo motor which can fulfil quick set-up of short run job and shift saved order in 30 seconds. Operator also can input certain value for various type of boxes including regular box, crash bottom and 4,6 corner to achieve fast setup.

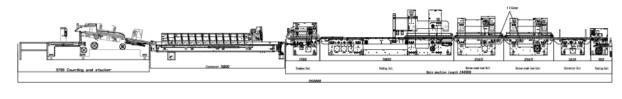


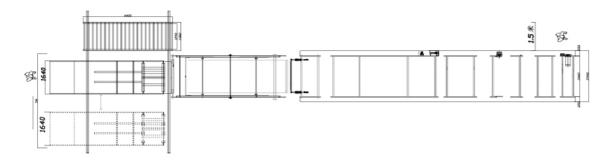


Count and Stacker(Option*)

This unit can achieve counting, stacking and delivery as a pile. Max. speed:200-250 pcs/min Number of stacking: 10-20 pcs Size of box: Min. 320*240mm, Max. 1050*900mm

Machine Lavout:







Configurations and options to choose:

EF: 1200/1450/1700/2100/2800/3200

Note for model: C-With Folding Section, AC-with crash lock bottom and Folding section; PC-with pre-folding, crash lock bottom and folding sections; PCW--with pre-folding, crash lock bottom, 4/6 corner box and folding sections

0.	Configuration List	Remark
	4/6 Corner box device by Yaskawa servo	For PCW
	Motorized adjustment	Standard
	Pre-folding Unit	For PC, PCW
	One-key setup with servo orientation	Option
	Pre-Creasing unit	Option
	Jogger at trombone	Standard
	LED panel display	Option
	90 degree turning device	Option
	Pneumatic squaring device at conveyor	Option
)	NSK Up pressing bearing	Option
ı	Upper glue tank	Option
2	Servo driven trombone	Standard
3	Transformer	Option
	Count and stacker	Option
5	Full servo main driven	Option
;	Handle pasting device	Option
,	Safety device for CE	Option

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Machine doesn't include cold glue spray system and inspection system, you need to choose from these suppliers, we will make offer according to you combination

EF-2200S High Speed Automatic Double-Piece Folder Gluer



EF-2200S Specification:

Application material	Laminated E, C, B, A and 5-layer corrugated
Feeding way	equipped with sucking belt continuous feeding
Gluing speed (MAX)	150m/min
Width of single piece feeding	520mm-2200mm
Width of double pieces feeding	420mm-1100mm
Machine size (L×W×H/M)	16.5×4.2×2
Gluing solvent: Solute property	Solute property
Weight	10.5T
Power supply	40KW

>>> Introduction

EF-2200S is a multi-functional model, the unit is modular design, can add more functions according to product requirements, mainly suitable for medium-sized packaging, twice

> folding for 2mm-10mm corrugated packing and double-piece gluing package. This machine can manufacture laminated E. C.B.A and 5-layer flat press package or twice folding package with watermark. rotate press and groove, the whole machine is flexible for multiple job and convenient for adjustment and operation. This

machine is equipped with 4 servo motors for positioning double pieces assemble, twice flat press device, mechanical robot arm as folding device, large or small opening adjustment device, continuous aligning device. Adopt touch screen and PLC operation system (optional remote diagnosis system). Remote operation system, transmission structure adopts independent reduction motor that is durable use, Upper belt is adjusted by pneumatic. Equipped with electric control panel with stable and high efficiency which sufficiently meet the needs of humanized operation. This machine is according to CE standard to manufacture.

>>> Sections:



Robot arm folding form section by serve driven for accurate

suction which can ensure stable conveying.

folding even for 5 layer corrugated board together with strong

with sucking belt













Delivery with squareness device by flapping apron. Up and down convey belt has independent driving and can move forward and back

www.eureka-machinery.com



No. 188, Fuyuan Road, Fuan Town, Dongtai city, Jiangsu Province, China

Tel: +86 21 62999507 62998061 62986517 Fax: +86 21 62985160

Web: WWW.EUREKA-MACHINERY.COM EMAIL: INFO@EUREKA-MACHINERY.COM





*EF-2100PCW

EF SERIES NEW

(1200-3800) Automatic Folder Gluer