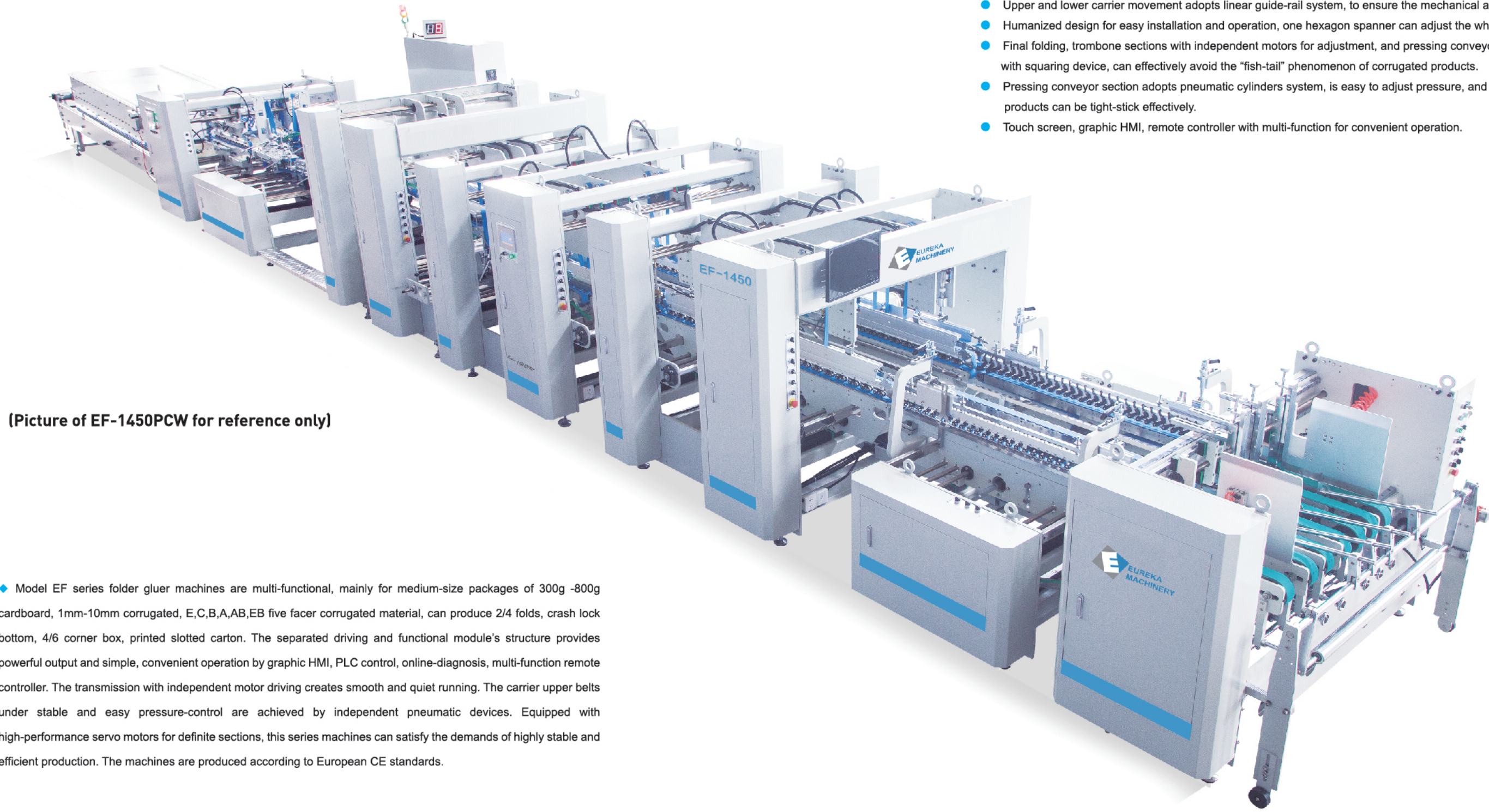


EF series (1200-3800) Automatic Folder Gluer
Quotation list



(Picture of EF-1450PCW for reference only)

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

- 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.
- The whole machine carrier's adjustment is motorized for easy commissioning.
- Upper and lower carrier movement adopts linear guide-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 can be tight-stick effectively.
- Touch screen, graphic HMI, remote controller with multi-function for convenient operation.

Specification

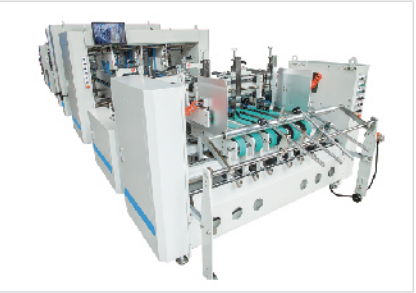
Technical data :

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*150			520*150	
Applicable paper	Cardboard 300g-800g			corrugated paper F、E、C、B、A、EB、AB		
Max. Belt speed	240m/min					
Machine length	18000mm		22000mm			
Machine width	1850mm	2700mm	2900mm	3600mm	4200mm	4600mm
Total power	35KW	42KW	45KW			
Max. Air displacement	0.7m³/min					
Total weight	10500kg	14500kg	15000kg	16000kg	16500kg	17000kg

Basic box size range (mm):

BOX TYPE	MODEL	EF-1200		EF-1450		EF-1700		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
	A	1200	240	1450	240	1700	420	2100	520	2300	520	2800	520	3200	520
	B	1300	150	1300	150	1300	150	1300	150	1300	150	1300	150	1300	150
	C		120		120		210		260		260		260		260
	D		50		50		50		50		50		50		50
2. Crash-lock bottom boxes	A	1200	420	1450	420	1700	420	2100	520	2300	520	2800	520	3200	520
	B		210		210		210		260		260		260		260
	C	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
	E		50		50		50		50		50		50		50
3. Four corner	A	1000	240	1200	240	1480	240	1580	320	1680	320	1880	320	1880	320
	B	940	120	1140	120	1420	120	1500	160	1600	160	1800	160	1800	160
	C	200	30	200	30	200	30	200	40	200	40	200	40	200	40
	D	1000		1000		1000		1100		1100		1100		1100	
	E		100		100		100		150		150		150		150
4. Six corner	A	1000		1200		1400		1750		1850		2100		2100	
	B	800		800		900		900		900		900		900	
	C		100		100		100		150		150		150		150
	D	450		540		640		800		850		950		950	
	E	150	35	200	35	200	35	200	50	200	50	200	50	200	50
5. Regular slotted container	A	1200	240	1450	240	1700	420	2100	520	2300	520	2800	520	2800	520
	B	1100	120	1300	120	1300	210	1300	260	1300	260	1300	260	1300	260
	C		120		120		120		275		275		275		275
	D		50		50		50		50		50		50		50

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.



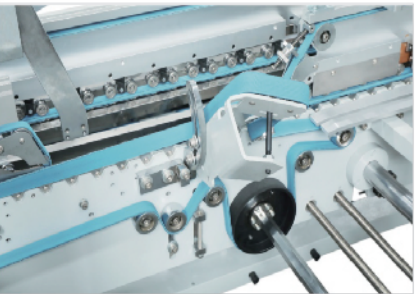
Paper side alignment section

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



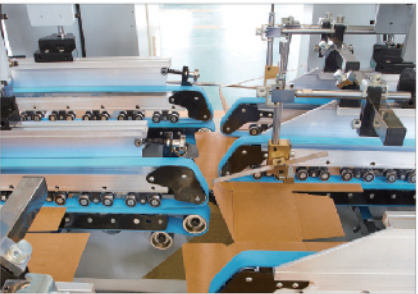
Pre-Creasing section (*Option)

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



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 thickness material.



Lower Glue Disc

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



4/6 corner section(*PCW)

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

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

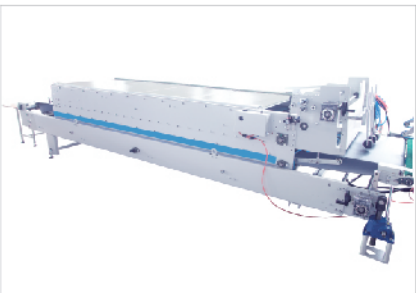
Three-carrier structure, special extra-long folding module to ensure paper board have enough space. Left and right outward folding belts are driven by independent motors with variable speed control for straight folding and to assist to avoid "fish-tail" phenomenon.

»»» Characteristic



Trombone

Independent driving. Upper and lower belts can be moved forward and backward for easier adjustment. Quick switch between different modes of stacking. Automatic belt tension adjustment. Jogging device for accurate closing of crash lock bottom boxes. Auto counter with ticker or inkjet to mark. Paper jam detector is equipped with pneumatic roller to press boxes to be perfect status.



Pressing conveyor section

With 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 follow-up by optical sensor as well as be adjusted by manual.

»»» Configurations and options to choose:

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

Note for model: **AC**—with crash lock bottom section; **PC**—with pre-folding, crash lock bottom sections;

PCW—with pre-folding, crash lock bottom, 4/6 corner box sections

No.	Configuration List	Remark
1	4/6 Corner box device by Yaskawa servo	For PCW
2	Motorized adjustment	Standard
3	Pre-folding Unit	For PC
4	Motorized adjustment with Memory function	Option
5	Pre-Creasing unit	Option
6	Jogger at trombone	Standard
7	LED panel display	Option
8	90 degree turning device	Option
9	Pneumatic squaring device at conveyor	Option
10	NSK Up pressing bearing	Option
11	Upper glue tank	Option
12	Servo driven trombone	Standard
13	Mitsubishi PLC	Option
14	Transformer	Option

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

No.	Configuration List	Remark
1	KQ 3 glue gun with high pressure pump (1:9)	Option
2	KQ 3 glue gun with high pressure pump (1:6)	Option
3	HHS cold gluing system	Option
4	Gluing inspection	Option
5	Other inspection	Option
6	Plasma system with 3 guns	Option
7	KQ Application of adhesive label	Option

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

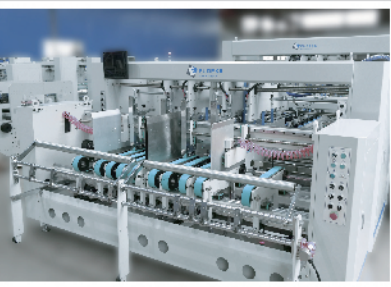


»»» Technical data :

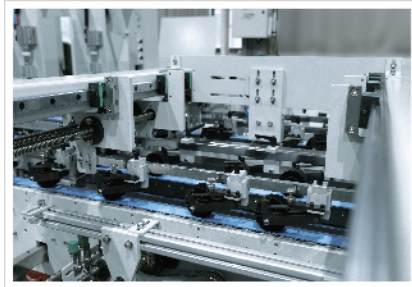
EF-2200S Specification :

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

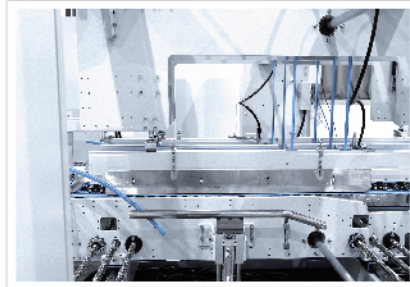
»»» Sections:



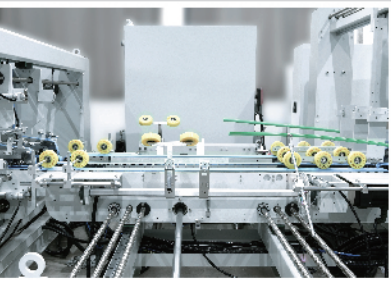
Double-piece feeding section driven by independent servo motor with sucking belt



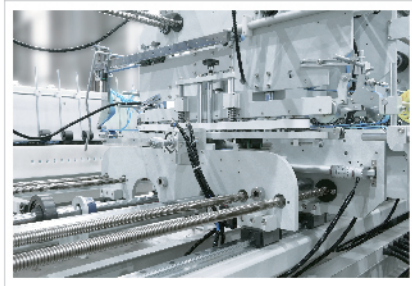
Double-piece positioning and assembling section with four panel structures by servo driven side layer and pneumatic front layer to ensure splicing accuracy with high speed. Splicing area has two cold glue gun plus one hot glue gun.



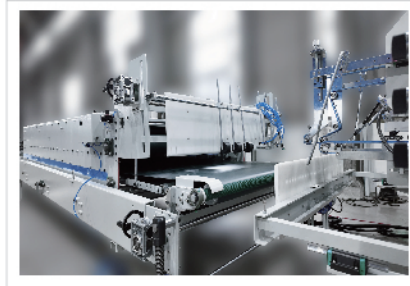
Pneumatic cylinder for pre-fold function



Robot arm folding form section by servo driven for accurate folding even for 5 layer corrugated board together with strong suction which can ensure stable conveying.



Trombone section with active rectification device to ensure folded box squareness especially for 5 layer corrugated box.



Delivery with squareness device by flapping apron. Up and down conveyer belt has independent driving and can move forward and back motorized according to box size.

»»» 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.

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EF series (1200-3800) Automatic Folder Gluer

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