EF-CX CASE ERECTOR

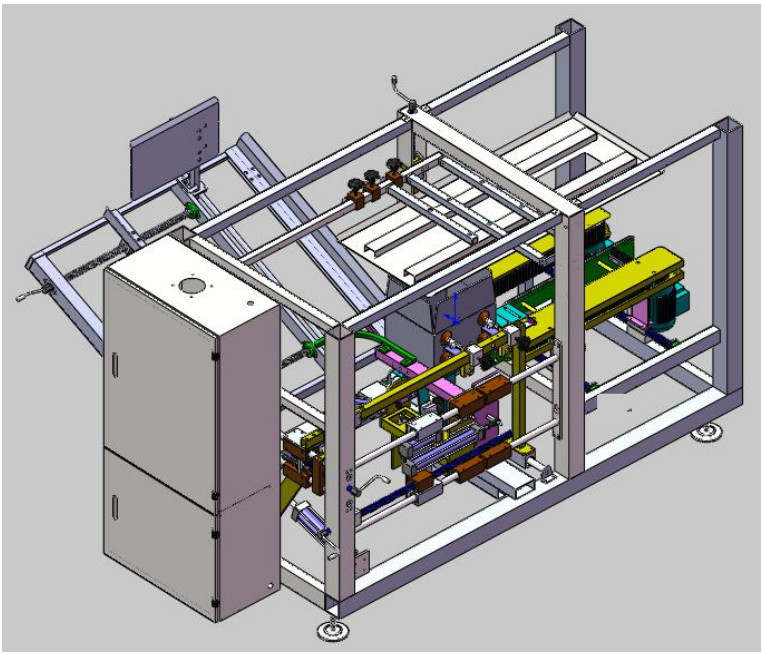
Brief introduction

Case Erectors is used to erect carton which have been shaped automatically and use tape or hot glue as sealing materials to seal the bottom cover of carton.

A stack of corrugated blanks are knocked down and placed into the machine. The blanks are pulled out of the machine one-by-one and formed into cases. The newly formed cases are sealed at the bottom with tape or glue.

This machine can be used for widely range， such as household appliances, food, general merchandise, medicine, chemical industry, ceramics industry and so on.

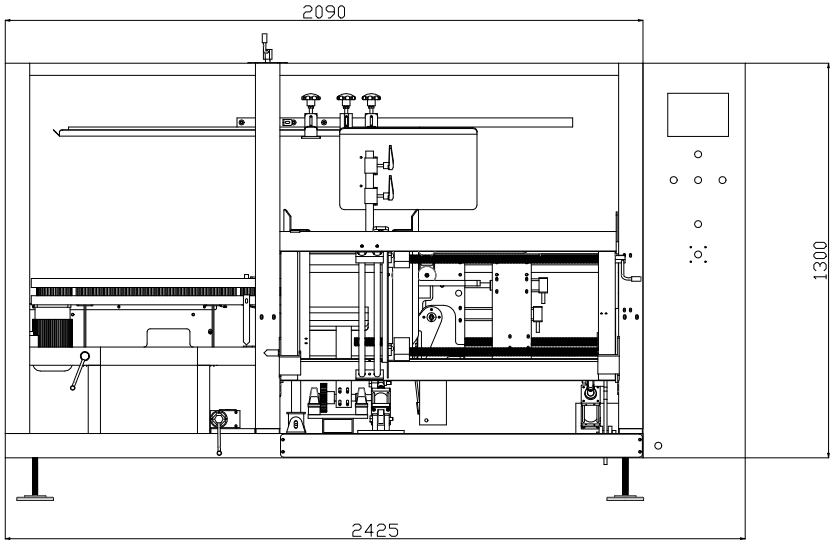
Machine picture and drawing (as reference)：

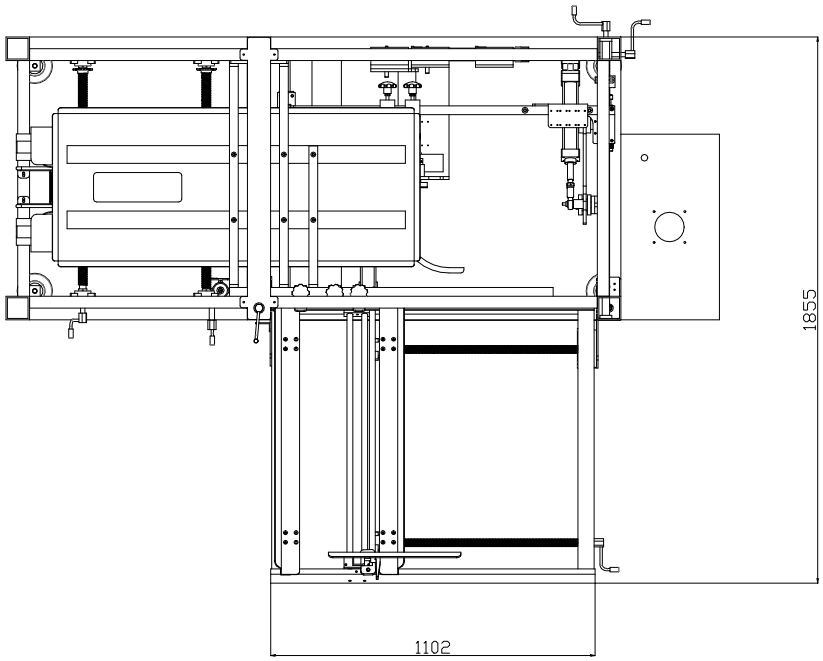


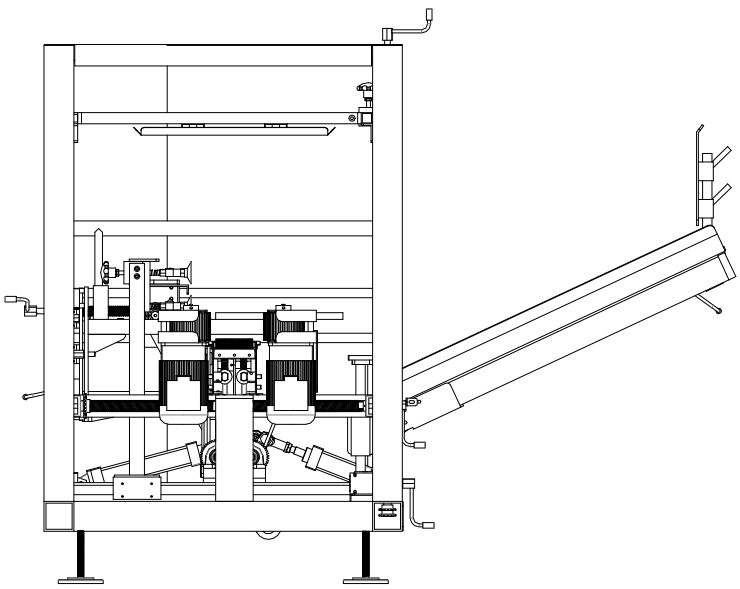
Layout drawing of machine：

A. standard

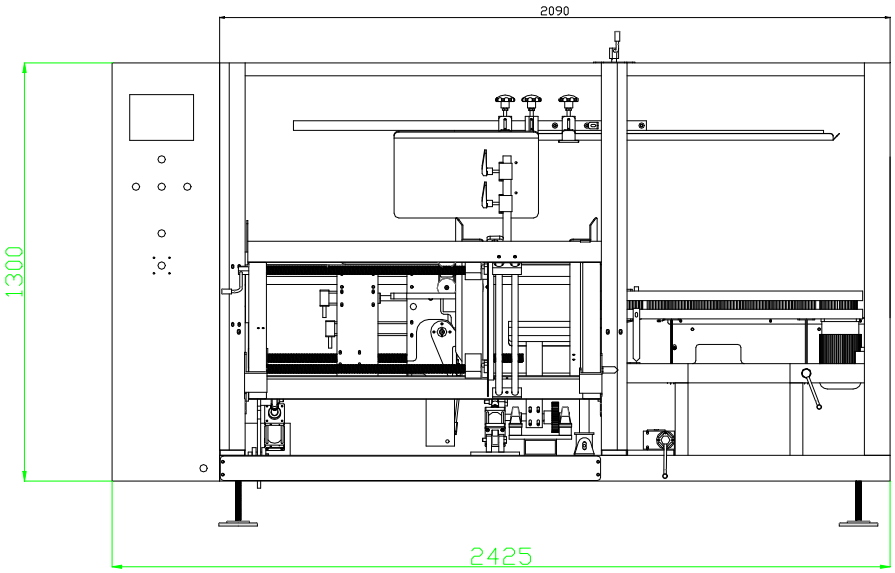
(Direction of machine: Inputting at right side, outputting at left side)

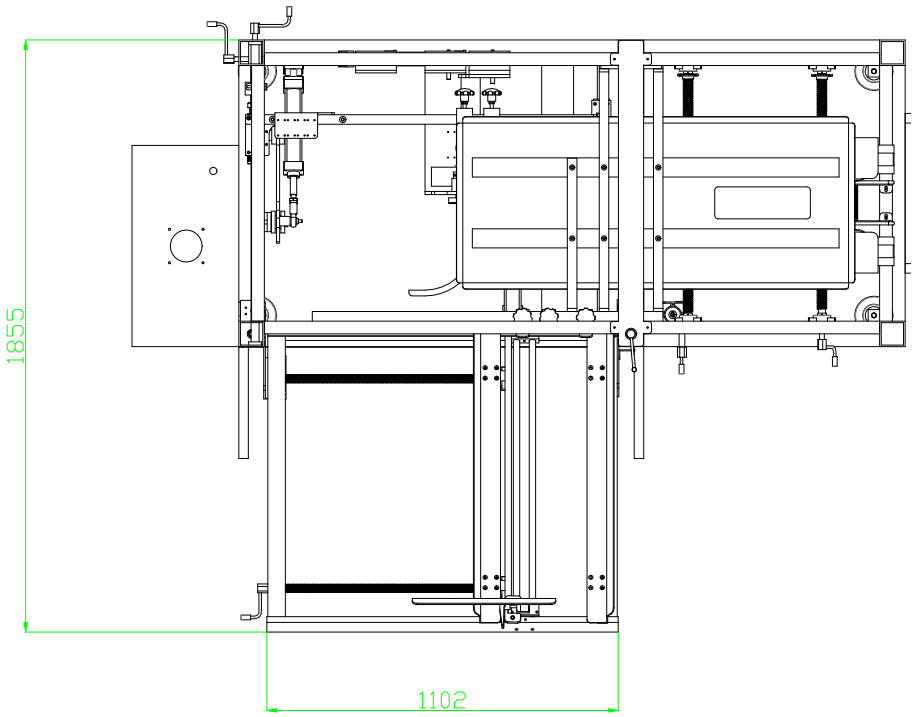


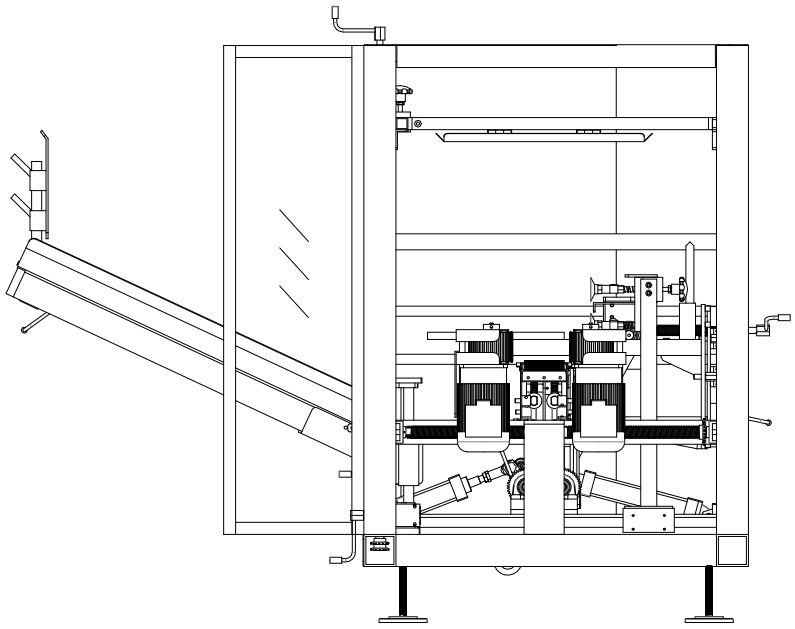




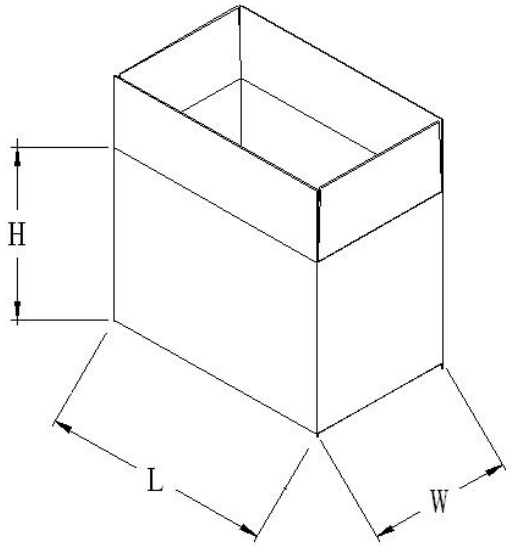
B. (Direction of machine: Inputting at left side, outputting at right side)



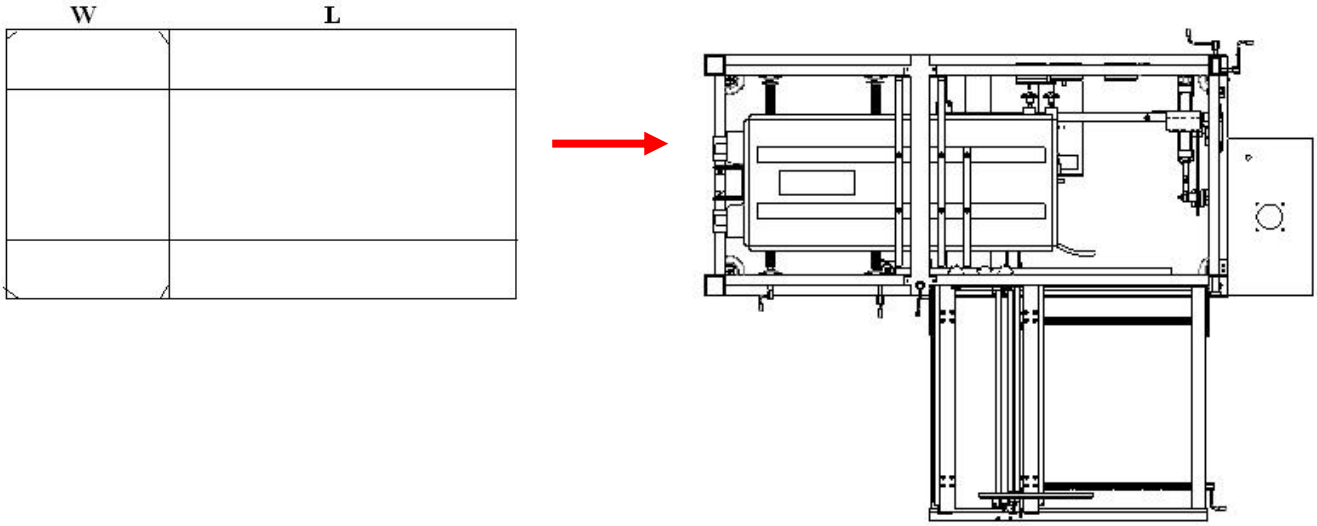




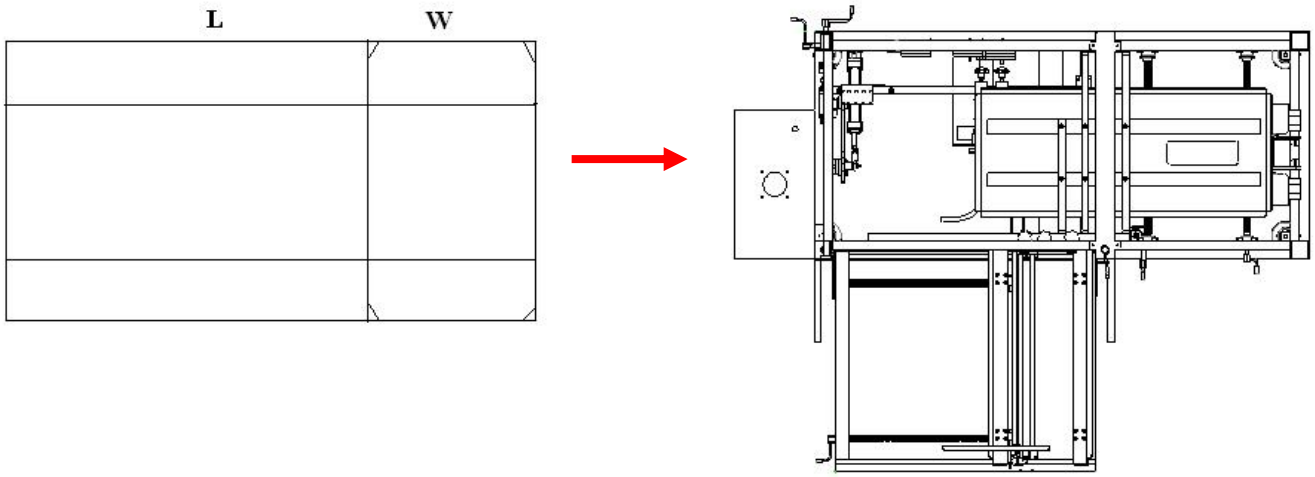
Direction of carton and direction of machine：



A. Inputting at right side and outputting at left side



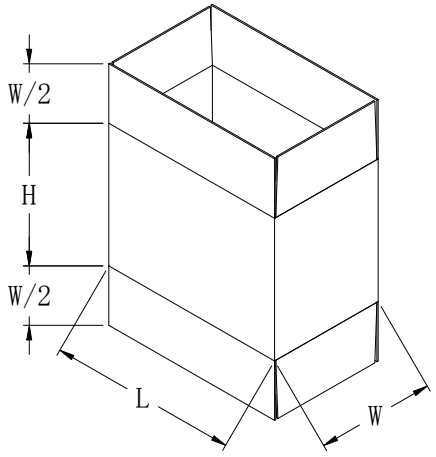
B. Inputting at left side and outputting at right side



Basic parameter：

Machine model number	**EF-CX**
voltage	1P 220V 50HZ (optional)
Machine size (L/ W/ H)	L2425×W1855×H1300mm
Worktable height	650mm (standard) – 1000mm (maximum, customer-made)
Tape	Bopp tape or draft paper tape
Tape size	4.8 – 7.2cm (standard machine is for tape in 48mm. The machine can be customer made for tape in 60 or 72mm)
Power	0.4 KW
Air supply	≥6Kgf/cm²
protective power supply	IP54
noise	≤75DB
Environment condition	Humidity ≤98%， Temperature -10℃～40℃
working speed	0-12 case /min
Carton size	L 250 – 530 X W150 – 400mm x a) H: 225 – 600mm (H+ W/2, after folding and sealing the bottom flap) b) H: 150 – 400mm (the machine can be custom-made for bigger size) 570 ＞ W/2 + H ＞300mm
Main electrical and pneumatic parts	PLC: “ Siemens” Touch screen: “ Standard or “ Siemens“ (customer-made) Contactor：“ Schneider” Switch power supply：“Delta” Motor：“ Luson” or “ SEW” (only for customer-made) Sensor： “ P + F” Button: “ Schneider” Alarm lamp: “ Siemens APT” Cylinder：“ Airtac” Vacuum generator：“ SMC”
Packing size	L 2.5 X W 1.22 X H 1.75meters Gross weight：685kgs; Net weight：600kgs

Drawing of carton size (as reference):

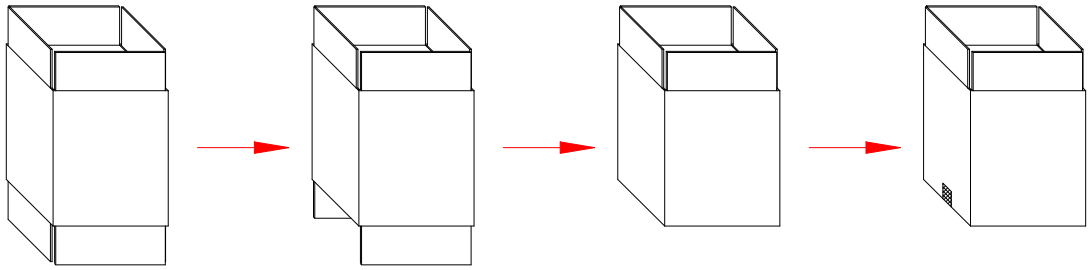


Working flow:

a. Adjust the parameters of the machine according to the carton size

b. Put carton paper board onto the paper board stock frame

c. Suck carton → Fold front & back flap → Fold left & right flap → Seal bottom by tape



Parts and tool which are delivered with machine：

No.	Specification	Code No.	QTY
Parts			
	Big tension spring		1pc
	Tension spring for blade		1pc
	Torsion spring for pressing tape board		1pc
	Torsion spring for guiding tape board		1pc
	Torsion spring for protective knife frame		1pc
	Blade		1pc
	Screw M4		10pcs
Tool			
	“-“ screw driver		1pc
	“+” screw driver		1pc
	inner hexagonal spanner		1pc

No.	Specification	Code no.	QTY	Remark	
	Big tension spring		1pc	Deliver with machine	
	Tension spring for blade		1pc		
	Torsion spring for pressing tape board		1pc		
	Torsion spring for guiding tape board		1pc		
	Torsion spring for protective knife frame		1pc		
	Blade		1pc		
	Vacuum suction cup	Dia.55 x 20mm	4pcs/unit	Suggest to buy	
	Vacuum generator	ZH13BS-08-10	1pc		
	Oil buffer	AC2020-2	1pc		
	Belt	1720 x 73 x 5	1pc		
	Linear bearing	LM20UU	2 pcs/unit		
	Linear bearing	LM25UU	10 pcs/unit		
	Cylinder	AC2020	1pc		
	Cylinder	SC40 X 250 –S	1pc		

	Cylinder	SC40 X 80 –S	2pcs/unit		
	Cylinder	MAL 32 X 30 –S -CA	2pcs/unit		
	Cylinder	SC50 X 200 –S	1pc		
	Cylinder	SC50 X 75 –S	1pc		
	Throttle valve	NSE8-02	10pcs/unit		
	Throttle valve	PL8-02	8pcs/unit		
	electromagnetic valve	4V210-08DC24V	6pcs/unit		