

Royo Machinery USA, LLC

PO Box 565931

Miami, FL 33256

Tel: +1(786)713-0996

W: www.royomachinery.com

Equipment Sales:

sales@royomachinery.com

Parts Sales:

parts@royomachinery.com



ROYO MACHINERY

Complete Folder Gluer & Accessories

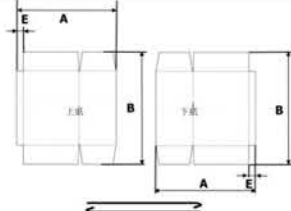
T-FOLD double feeder

2000 / 2400 / 2800

Modularity and mechatronics design, auto-positioning, self-adjustment function. All carriers are adopted with linear guide-way support, smooth and effortless. Suitable for middle and big packaging, printing companies and industries, such as beverage, food, home appliance, sport equipment packaging etc., boxes like twin boxes, AB two-piece boxes etc..

Material	
Card board	300g-800g
Flute	A , B, C, E, K, BC, EB, AB
Capability	
Speed	Max. 250 m/min
Inching speed	10 m/min
Open blank thickness	< 10 mm
Feeding width	650 mm-2000 mm
Max.two-piece width	Open box 4000 mm
Glue type	Hot melt, cold glue
Machine dimensions	
Length×Width×Height	9910x4000x2000 /mm
Weight(approx.)	7 Ton
Power supply	50 kw
Compressed air	30 m³/h

Lower, upper open blank dimensions * Can work alone

Box type	Straight-line box		2000		2400		2800	
	A :	350	1000	350	2400	350	2800	
	B :	300	1200	300	1200	300	1200	
	E :	35	50	35	50	35	50	



Details



▲Feeder



▲Trombone



▲Front lay registration



MEGAFOLD High-speed fully automatic folder gluer

1450 / 1650 / 1850 / 2200 / 2400 / 2800 / 3200

Heavy-duty automatic folder gluer, mainly for rotary die-cutting, slotting corrugated boxes, 3&5 layers.

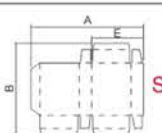
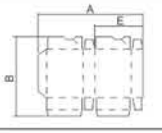
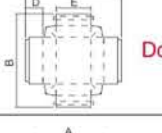


C: Without pre-folding section suitable for straight-line boxes.

AC: Without pre-folding section suitable for straight-line, crash-lock bottom & double wall boxes.

PC: Suitable for straight-line, crash-lock bottom & double wall boxes.

SL: Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

Box types	1450	1650	1850
 Straight-line box	A: 540/290 - 1450 mm B: 250 - 1200 mm E: 270/145 - 715 mm	A: 540/290 - 1650 mm B: 250 - 1200 mm E: 270/145 - 815 mm	A: 550/290 - 1850 mm B: 250 - 1200 mm E: 270/145 - 915 mm
 Crash-lock bottom box	A: 540/290 - 1450 mm B: 300 - 1200 mm E: 270/145 - 665 mm	A: 520/290 - 1650 mm B: 300 - 1200 mm E: 270/145 - 770 mm	A: 540/290 - 1850 mm B: 300 - 1200 mm E: 270/145 - 900 mm
 Double-wall box	A: 550/290 - 1450 mm B: 200 - 1200 mm D: 50 - 200 mm E: 270/170 - 1250 mm	A: 550/290 - 1650 mm B: 200 - 1200 mm D: 50 - 200 mm E: 270/170 - 1450 mm	A: 550/290 - 1850 mm B: 200 - 1200 mm D: 50 - 200 mm E: 270/170 - 1650 mm
 4-corner box	A: 550/290 - 1450 mm B: 220 - 1200 mm H: 35 - 180 mm	A: 550/290 - 1650 mm B: 220 - 1200 mm H: 35 - 180 mm	A: 550/290 - 1850 mm B: 220 - 1200 mm H: 35 - 180 mm
 4-corner box with lid	A: 550/350 - 1300 mm B: 220 - 1200 mm H: 35 - 150 mm	A: 550/350 - 1500 mm B: 220 - 1200 mm H: 35 - 150 mm	A: 550/350 - 1700 mm B: 220 - 1200 mm H: 35 - 150 mm
 6-corner box	A: 550 - 1300 mm B: 220 - 1200 mm H: 35 - 150 mm	A: 550 - 1500 mm B: 220 - 1200 mm H: 35 - 180 mm	A: 550 - 1700 mm B: 220 - 1200 mm H: 35 - 180 mm

Specification MEGAFOLD

MEGAFOLD	1450				1650				1850			
Material	200-1200 g/m ²				200-1200 g/m ²				200-1200 g/m ²			
Corrugated type	E, C, B, AB 3 & 5 layers				E, C, B, AB 3 & 5 layers				E, C, B, AB 3 & 5 layers			
Speed	300 m/min				300 m/min				300 m/min			
Blank width	290-1450 mm				290-1650 mm				290-1850 mm			
Glue type	Water-based				Water-based				Water-based			
Installation	C	AC	PC	SL	C	AC	PC	SL	C	AC	PC	SL
Length	17.4 m	19.4 m	22.4 m	22.4 m	18.6 m	20.6 m	23.6 m	23.6 m	18.6 m	20.6m	23.6 m	23.6 m
Width	2.2 m	2.2 m	2.2 m	2.2 m	2.4 m	2.4 m	2.4 m	2.4 m	2.6 m	2.6 m	2.6 m	2.6 m
Height	1.7 m	1.7 m	1.7 m	1.7 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m
Weight	12 Ton	13.5Ton	14.5Ton	14.8Ton	13Ton	14.5Ton	15.5Ton	15.8Ton	15Ton	17Ton	18Ton	18.2Ton
Power supply	40 kW	45 kW	50 kW	56 kW	40 kW	45 kW	50 kW	56 kW	40 kW	45 kW	50 kW	56 kW
Air compressor capacity	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h	30m³/h

★ Note: 290mm with mini box device



G-FOLD High speed fully automatic two-piece folder gluer

1800 / 2000 / 2400 / 2800 / 3200

G-FOLD is a two-pieces join folder gluer. It is suitable for large corrugated boxes. It is easy to set-up and friendly to operate. It can either process one or two pieces of carton. Equipped with independently servo-motorized modular control system along the machine, can feed two pieces of carton at same time and join them accurately thanks to

a pneumatic lateral squaring device. Machine comes with two lower gluing wheels, left & right side, two upper electronic gluing systems, one for hotmelt application with one gun and the other one for cold glue with 3 guns.



C: Without pre-folding section suitable for straight-line boxes.

AC: Without pre-folding section suitable for straight-line, crash-lock bottom boxes.

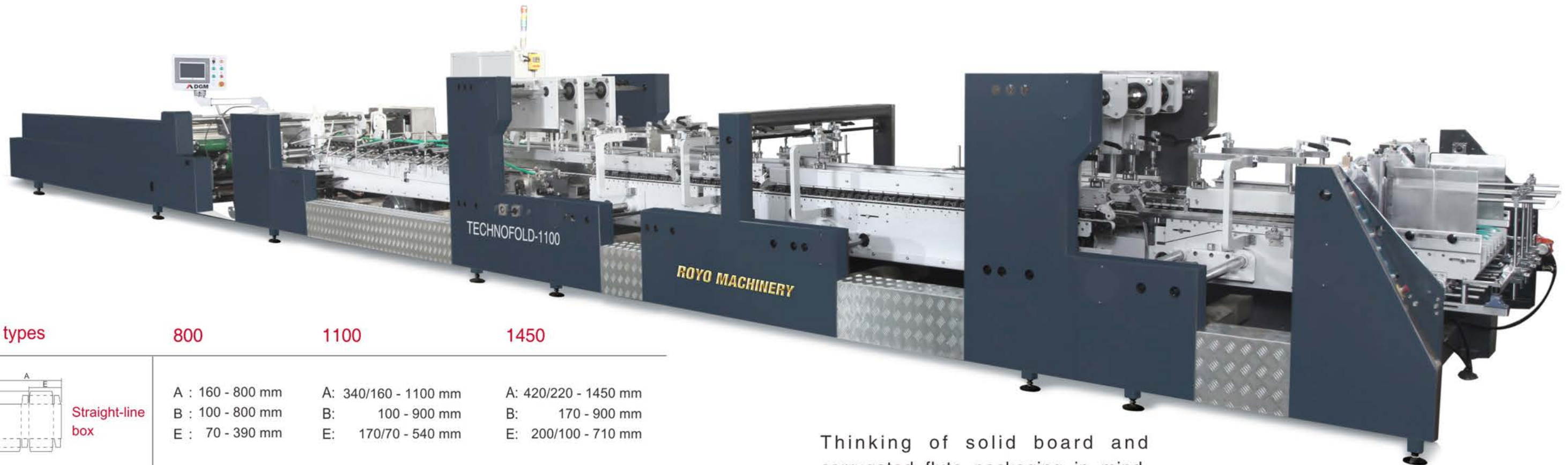
Box types	1800	2000	2400	2800	3200
Straight-line box 	A: 540 - 1650 mm B: 250 - 1200 mm C: 100 - 900 mm	A: 540 - 1850 mm B: 250 - 1200 mm C: 100 - 900 mm	A: 540 - 2250 mm B: 250 - 1200 mm C: 100 - 900 mm	A: 540 - 2650 mm B: 250 - 1200 mm C: 100 - 900 mm	A: 540 - 3050 mm B: 250 - 1200 mm C: 100 - 900 mm
Crash-lock bottom box 	A: 540 - 1650 mm B: 250 - 1200 mm C: 100 - 900 mm D: 45 - 200 mm	A: 540 - 1850 mm B: 250 - 1200 mm C: 100 - 900 mm D: 45 - 200 mm	A: 540 - 2250 mm B: 250 - 1200 mm C: 100 - 900 mm D: 45 - 200 mm	A: 540 - 2650 mm B: 250 - 1200 mm C: 100 - 900 mm D: 45 - 200 mm	A: 540 - 3050 mm B: 250 - 1200 mm C: 100 - 900 mm D: 45 - 200 mm
Two-piece box 	A: 550 - 765 mm B: 200 - 1200 mm C: 100 - 900 mm	A: 550 - 865 mm B: 200 - 1200 mm C: 100 - 900 mm	A: 550 - 1065 mm B: 200 - 1200 mm C: 100 - 900 mm	A: 550 - 1265 mm B: 200 - 1200 mm C: 100 - 900 mm	A: 550 - 1465 mm B: 200 - 1200 mm C: 100 - 900 mm

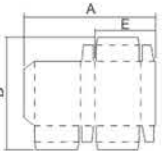
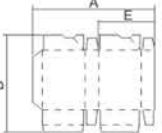
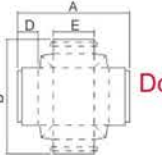
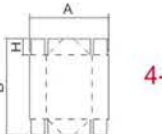
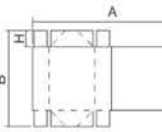
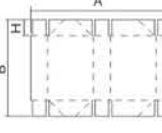
Specification G-FOLD	1800	2000	2400	2800	3200
Material	200-1200 g/m ²	200-1200 g/m ²	200-1200 g/m ²	200-1200 g/m ²	200-1200 g/m ²
Corrugated type	E, C, B, AB 3 & 5 layers	E, C, B, AB 3 & 5 layers	E, C, B, AB 3 & 5 layers	E, C, B, AB 3 & 5 layers	E, C, B, AB 3 & 5 layers
Speed	300 m/min	300 m/min	300 m/min	300 m/min	300 m/min
Blank width	550 - 950 mm	550 - 950 mm	550 - 1150 mm	550 - 1350 mm	550 - 1550 mm
Glue type	Water-based	Water-based	Water-based	Water-based	Water-based
Installation	AC	AC	AC	AC	AC
Length	23.6 m	23.6 m	23.6 m	23.6 m	23.6 m
Width	2.65 m	2.8 m	3.1 m	3.5 m	3.9 m
Height	1.8 m	1.95 m	1.95 m	1.95 m	1.95 m
Weight	11.5 Ton	11.5 Ton	13.5 Ton	14.5 Ton	15.5 Ton
Power supply	65 kW	65 kW	65 kW	65 kW	65 kW
Air compressor capacity	15 m ³ /h	15 m ³ /h	30 m ³ /h	30 m ³ /h	30 m ³ /h



TECHNOFOLD Fully automatic folder gluer

800 / 1100 / 1450



Box types	800	1100	1450
 Straight-line box	A : 160 - 800 mm B : 100 - 800 mm E : 70 - 390 mm	A: 340/160 - 1100 mm B: 100 - 900 mm E: 170/70 - 540 mm	A: 420/220 - 1450 mm B: 170 - 900 mm E: 200/100 - 710 mm
 Crash-lock bottom box	A: 170 - 800 mm B: 170 - 800 mm E: 80 - 390 mm	A: 340/170 - 1100 mm B: 170 - 900 mm E: 80 - 540 mm	A: 420/220 - 1450 mm B: 170 - 900 mm E: 200/100 - 710 mm
 Double-wall box	A: 200 - 800 mm B: 100 - 800 mm D: 30 - 150 mm E: 80 - 620 mm	A: 200 - 1100 mm B: 100 - 800 mm D: 30 - 150 mm E: 80 - 950 mm	A: 320 - 1450 mm B: 100 - 800 mm D: 30 - 150 mm E: 200 - 1300 mm
 4-corner box	A: 150 - 800 mm B: 160 - 800 mm H: 25 - 120 mm	A: 340/160 - 1100 mm B: 160 - 800 mm H: 25 - 150 mm	A: 280 - 1450 mm B: 180 - 800 mm H: 25 - 150 mm
 4-corner box with lid	A: 250 - 750 mm B: 160 - 450 mm H: 25 - 120 mm	A: 330 - 1100 mm B: 160 - 450 mm H: 25 - 150 mm	A: 430 - 1450 mm B: 180 - 800 mm H: 25 - 150 mm
 6-corner box	A: 270 - 700 mm B: 160 - 450 mm H: 25 - 120 mm	A: 370 - 1100 mm B: 160 - 450 mm H: 25 - 150 mm	A: 430 - 1450 mm B: 180 - 800 mm H: 25 - 150 mm

Thinking of solid board and corrugated flute packaging in mind, with special design of upper driven carriers, it allows to run both materials with competitive productivity and utmost finishing quality.

- C:** Without pre-folding section suitable for straight-line boxes.
- AC:** Without pre-folding section suitable for straight-line, crash-lock bottom & double wall boxes.
- PC:** Suitable for straight-line, crash-lock bottom & double wall boxes.
- SL:** Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

Specification TECHNOFOLD	800			1100			1450		
Material	200-800 g/m ²			200-1200 g/m ²			200-1200 g/m ²		
Corrugated type	N, E, F & B			N, E, F & B C			N, E, F & B C		
Speed	300 m/min			300 m/min			300 m/min		
Glue type	Water-based			Water-based			Water-based		
Blank width	160-800 mm			340-1100 mm			340-1450 mm		
Installation	AC	PC	SL	AC	PC	SL	AC	PC	SL
Length	14.3 m	16.6 m	16.6 m	15.1 m	17.4 m	17.4 m	16.6 m	18.9 m	18.9 m
Width	1.45 m	1.45 m	1.56 m	1.75 m	1.75 m	1.85 m	2.1 m	2.1 m	2.25 m
Height	1.4 m	1.4 m	1.4 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m
Weight	7 Ton	7.5 Ton	8.1 Ton	8 Ton	9 Ton	9.6 Ton	10 Ton	10.8 Ton	11.4 Ton
Power supply	18 kW	18 kW	18 kW	18 kW	26 kW	26 kW	26 kW	26 kW	26 kW
Air compressor capacity	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h



SMARTFOLD High-speed Intelligente folder gluer

650 / 800 / 1100



▲ Optional: Electronic gluing system



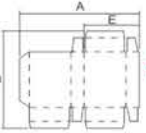
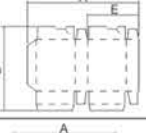
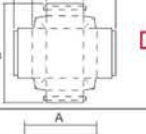
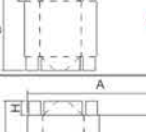
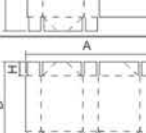
▲ Optional: Bump&Turn system

PC: Suitable for straight-line, crash-lock bottom & double wall boxes.
SL: Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

Intelligent modular design, flexible & diverse, can run complexed boxes in one pass.



Intelligent modular design, flexible & diverse, can run complexed boxes in one pass.

Box types	650	800	1100
 Straight-line box	A: 136 - 650 mm B: 100 - 500 mm E: 65 - 320 mm	A: 136 - 780 mm B: 100 - 800 mm E: 68 - 380 mm	A: 136 - 1080 mm B: 100 - 800 mm E: 68 - 530 mm
 Crash-lock bottom box	A: 146 - 650 mm B: 110 - 500 mm E: 68 - 320 mm	A: 146 - 750 mm B: 110 - 800 mm E: 68 - 368 mm	A: 146 - 1050 mm B: 110 - 800 mm E: 68 - 518 mm
 Double-wall box	A: 200 - 650 mm B: 100 - 500 mm D: 30 - 150 mm E: 80 - 400 mm	A: 200 - 800 mm B: 100 - 800 mm D: 30 - 150 mm E: 80 - 680 mm	A: 200 - 1100 mm B: 100 - 800 mm D: 30 - 150 mm E: 80 - 980 mm
 4-corner box		A: 160 - 750 mm B: 140 - 800 mm H: 25 - 120 mm	A: 140 - 1050 mm B: 140 - 800 mm H: 25 - 120 mm
 4-corner box with lid		A: 250 - 720 mm B: 140 - 800 mm H: 25 - 120 mm	A: 250 - 1020 mm B: 140 - 800 mm H: 25 - 120 mm
 6-corner box		A: 250 - 720 mm B: 140 - 800 mm H: 25 - 120 mm	A: 250 - 1020 mm B: 140 - 800 mm H: 25 - 120 mm

Specification SMARTFOLD

	650	800	1100
Material	200-800 g/m ²	200-800 g/m ²	200-800 g/m ²
Corrugated type	N,E&F	N,E&F	N,E&F
Speed	400 m/min	400 m/min	400 m/min
Glue type	Water-based	Water-based	Water-based
Blank width	126-650 mm	126-800 mm	126-1100 mm
Installation		PC SL	PC SL
Length	13.7 m	15.92 m 15.92 m	15.92 m 15.92 m
Width	1.29 m	1.65 m 1.66 m	1.83 m 1.86 m
Height	1.3 m	1.4 m 1.4 m	1.4 m 1.4 m
Weight	6.5 Ton	7.2 Ton 7.5 Ton	7.8 Ton 8 Ton
Power supply	17 kW	22 kW 28 kW	22 kW 28 kW
Air compressor capacity	10 m ³ /h	10 m ³ /h 10 m ³ /h	10 m ³ /h 10 m ³ /h



▲ Optional: Double side tape applicator



SMARTFOLD ULTRA X 1100

High-speed intelligent fully servo control technology folder gluer

Multi-function design, fast job change-over, speed up to 500m/min.

Intelligent modular design, flexible & diverse, can run complexed boxes in one pass.



PC: Suitable for straight-line, crash-lock bottom & double wall boxes.
SL: Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

Box types

1100

	Straight-line box	A: 195 - 1100 mm B: 100 - 1200 mm E: 90 - 540 mm
	Crash-lock bottom box	A: 195 - 1100 mm B: 110 - 1200 mm E: 90 - 540 mm
	Double-wall box	A: 240 - 1100 mm B: 100 - 1200 mm D: 30 - 150 mm E: 100 - 960 mm
	4-corner box	A: 160 - 1100 mm B: 140 - 1200 mm H: 25 - 150 mm
	6-corner box	A: 270 - 1100 mm B: 140 - 1100 mm H: 25 - 150 mm

Specification

SMARTFOLD ULTRA X 1100

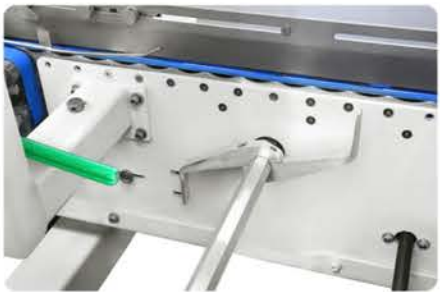
Material	200-800 g/m²	
Corrugated type	N, E & F	
Speed	500 m/min	
Glue type	Water-based	
Blank width	195-1100 mm	
Installation	PC	SL
Length	17.81 m	17.81 m
Width	1.9 m	1.9 m
Height	1.9 m	1.9 m
Weight	11.7 Ton	11.9 Ton
Power supply	48 kW	48 kW
Air compressor capacity	10 m³/h	10 m³/h



▲Pre-folding section



▲Multi-function module



▲Back-fold system



SMARTFOLD ULTRA fully automatic beverage box folding gluing machine

1100 BCB

Brand-new module combination, smooth gyro movement, provide with more automation and intelligence.



Box types

1100 BCB

	Straight-line box	A: 76mm - 1100 mm B: 60 - 800 mm
	Double-wall box	A: 150 - 1100 mm B: 100 - 700 mm E: min.60 mm D: min.20 mm
	Crash-lock bottom box	A: 240 - 1100 mm B: 100 - 1200 mm E: 30 - 150 mm D: 100 - 960 mm
	Beverage box	A: 300 - 1050 mm B: 200 - 800 mm
	Folder	A: 134 - 760 mm B: 150 - 1000 mm

Specification

SMARTFOLD ULTRA 1100 BCB

Material	
Cardboard	200-700 gsm
Corrugated type	N,E&F flute
Speed	max. 500 m/min
Thickness of folded box	Max 12 mm
Installation	
Length	24 m
Width	1.9 m
Height	1.9 m
Weight	14 Ton
Installation	
Power supply	85 kw
Compressed air	6 bar



▲ SMART-TURN device



▲ Dual servo motor control de-nicking module



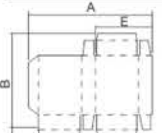
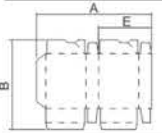
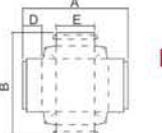
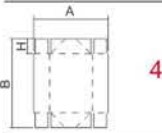
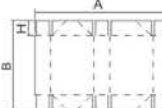
SMARTVISION Fully automatic online inspection folder gluer
650 / 800 / 1100

PC: Suitable for straight-line, crash-lock bottom & double wall boxes.

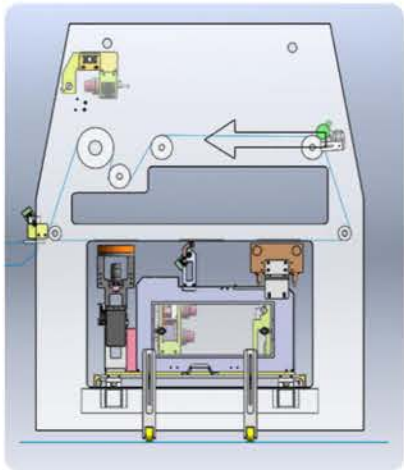
SL: Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

Specification
SMARTVISION

	650	800		1100	
Material	200-800 g/m ²	200-800 g/m ²		200-800 g/m ²	
Corrugated type	N, E & F	N, E & F		N, E & F	
Inspection speed	250 m/min	250 m/min		250 m/min	
Speed	400 m/min	400 m/min		400 m/min	
Glue type	Water-based	Water-based		Water-based	
Blank width	126-650 mm	126-800 mm		126-1100 mm	
Installation	PC	PC	SL	PC	SL
Length	17.4 m	19.3 m	19.3 m	20.4 m	20.4 m
Width	1.29 m	1.65 m	1.65 m	1.85 m	1.85 m
Height	1.9 m	1.9 m	1.9 m	1.9 m	1.9 m
Weight	8 Ton	10.5 Ton	11 Ton	11 Ton	11.5 Ton
Power supply	48 kW	48 kW	48 kW	48 kW	48 kW
Air compressor capacity	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /h

Box types	650	800	1100
 Straight-line box	A: 126 - 650 mm B: 100 - 500 mm E: 58-320 mm	A: 126 - 800 mm B: 60 - 800 mm E: 58-380 mm	A: 126 - 1100 mm B: 100 - 800 mm E: 58-530 mm
 Crash-lock bottom box	A: 146 - 650 mm B: 110 - 500 mm E: 68-320 mm	A: 146 - 800 mm B: 110 - 800 mm E: 68-368 mm	A: 146 - 1100 mm B: 110 - 800 mm E: 68-518 mm
 Double-wall box	A: 200 - 650 mm B: 100 - 500 mm D: 30 - 150 mm E: 80-530 mm	A: 200 - 800 mm B: 100 - 800 mm D: 30 - 150 mm E: 80-680 mm	A: 200 - 1100 mm B: 100 - 800 mm D: 30 - 150 mm E: 80-980 mm
 4-corner box		A: 140 - 750 mm B: 140 - 800 mm H: 25 - 150 mm	A: 140 - 1050 mm B: 140 - 800 mm H: 25 - 150 mm
 6-corner box		A: 250 - 720 mm B: 140 - 800 mm H: 25 - 150 mm	A: 250 - 1020 mm B: 140 - 800 mm H: 25 - 150 mm

Inspection inline with folding & gluing process, significantly saving labor cost, increase productivity, stability and reliability.



▲ Online inspection system structure



▲ Ejector



Intelligent modeling system, adopts imported high quality camera and image processing system, with smart mechanic structure, integrates automatic feeding, high-speed inspection, ejection, collection and quality analysis. Fast job change-over.



Technical parameters :

Machine Type	DG 650	DG 800
Max. blank size /mm	650 mm × 400 mm	800 mm × 400 mm
Min. blank size /mm	90 mm × 90 mm	90 mm × 90 mm
Machine dimensions L x Wx H/m	11.79×1.287×1.3	
Power supply	17 KW	
Compressed air	6 pa	
Standard imaging accuracy	0.16 mm × 0.15 mm	
Imaging accuracy of embossing position	0.08 mm × 0.125 mm	
Imaging accuracy of barcode position	0.05 mm × 0.05 mm	
Max. width of inspection	650 mm	
Min. dimension of point	0.1 mm ² (High contrast) , 0.3 mm ² (General contrast)	
Color difference	Auto contrast $\Delta E \geq 3Nbs$	
Max. inspection speed	250 m/min	

Note: 1. High contrast: the grayscale difference between defect and printing surface $\geq 40DN$ (grayscale).
2. General contrast: the grayscale difference between defect and printing surface $\geq 10DN$ (grayscale) $< 40DN$.

Configuration :

Item	Configuration	Defect type
Print inspection	4K or 7K color camera	Hickl, color difference, white dot, print missing, darts and steels, mis-registration of printing, mis-registration of die cutting, die-cutting deviation, missing print on text, stamping defect & deviation.
3D varnish inspection	Embossing light source 8K monochrome camera	Embossing deviation, creasing line deviation, laminating folds & damage & bubble, wrinkle, varnish missing.
2D stamping inspection	Embossing light source (shared 3D) 4K monochrome camera	Golden or silver paper board plain laser stamping missing
Barcode inspection	Ring light source Small array camera (optional)	Identification and contrast of variable information, wrong code, duplication code, no code etc.
Back side inspection	Embossing light source 4K monochrome camera (optional)	White dot, print missing, text defect, dust, insect, bloodstain

▲ Camera distribution



SMART CODE

Fully automatic inline dual codes printing machine
1450/1650/2000/2400

This machine is mainly suitable for double-face dual codes (QR and bar codes) printing over corrugated boxes, printed code is used in production line verification application.

It includes feeder, 3-channel double-face laser printing module, code inspection system, delivery and stacker.

Laser printer configuration

Specification		CO2 laser printer
Laser parameter	Laser	Imported CO2 laser
	Laser wavelength	9.3-10.6 um
	Pulse repetition frequency	20KHz≤ F≤ 100kHz
	Average power stability	< 3% rms
Galvanometer parameter	Sweep speed	≤ 7000 mm/s
	Positioning speed	≤ 10000 mm/s
	Repeatability	< 24 μ rad
	Time lapse drift	< 0.6 mrad , Costant ambient temperature+15 °C ~ +35 °C , 8 hours in operation)
Optical output characteristic	Focusing lens	F=580 mm
	Mark range	400mm× 400 mm
	Standard line width	0.06 mm (Depend on material)
	Min. character height	0.2 mm
Cooling system	Cooling method	Cold water
Runtime environment	Power supply	4.5KW/AC220V±5%/50Hz If it's beyond the fluctuation range, a voltage stabilizer shall be installed.
	Ground	D type (Grounding resistance 100Ωor lower)
	Temerature	5-45 °C
	Humidity	≤90 %
	Vibration	0.98m/s2{0.1G}Or less , 10 ~ 60Hz。 Transportation : 4.9m/s2{0.5G}Or less。
	Dust	Less than0.20 mg/ m3
	Oil mist	no
	Condensation	no
	Compressed air	0.6-0.8 Mpa compressed air, not too much moisure.



Speicification

Max. Box size for 1450 model	1450×1100 mm
Min. Box size for 1450 model	600×400 mm
Speed and productivity	Min. code printing linear speed160 m/min , boxes/min : 600 boxes/min , Singl cannel max. speed: 200boxes/min
Accuracy	±0.15 mm
Process	Feeding——paging——registration—— laser printing——code inspection——ejection ——unqualified boxes
Single lane machine size (L×W×H)	8×2.1×2.6 m



WINDOW PUNCHING machine

Suitable for Smartfold, Technofold, Megafold series.

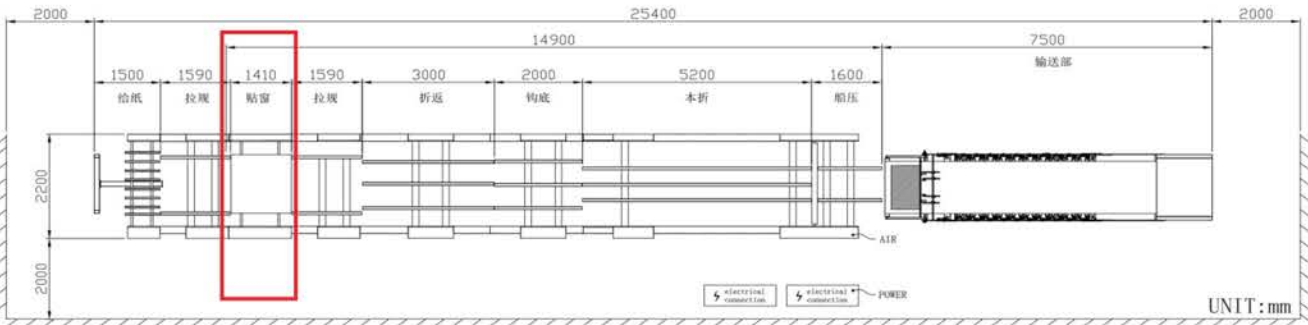


▲ Window punching module

Specification

Film thickness	0.08-0.2 mm
Max. window width	80-400 mm
Max. window length	80-380 mm
Punching speed	130 m/min

MG-1450SL加贴窗



SMARTFOLD 600 Automatic 3D box solution

Specially designed for 3-dimensional boxes, such as envelop with capacity, cosmetic boxes, pharmaceutical boxes etc.. Fast job change-over, can adopt with hot melt gluing system.

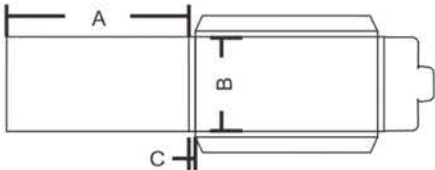


Specification SMARTFOLD

600

Material	
Material	200 - 800 g/m ²
Capability	
Production speed	100 m/min
Jogging speed	20 m/min
Thickness of folded boxes Max.	10 mm
Max. box width	600 mm
Installation	10.23 m
Length	1.44 m
Width	1.3 m
Height	5 Ton
Weight	
Installation	14 kW
Power supply	6 bar
Compressed air	10 m ³ /h
Air tank capacity	60 L

Box dimensions



Unfold box dimensions

Item	Value (unit : mm)
A	90-400
B	90-550
C	4-20

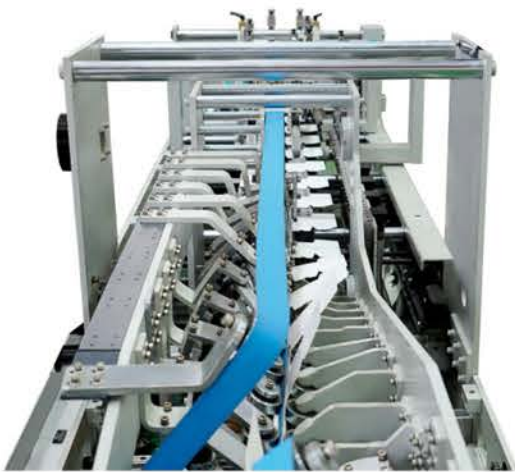


Drug safety code printing and turning machine

- ◆ Suitable for different industries, such as logistic management, marketing management, information verifying, anti-counterfeit label, pharmaceutical product and jewelry label, library management etc..
- ◆ Quick and intuitive software, can do different composition depending on customer's needs.(can be exported to vectorgraph of GIF, JPG, PNG, PDF, EPS, CGM etc.)
- ◆ Compatible to Access, Excel, TXT, SQL server, Oracle, MySQL, Sybase, DB2, SQLite, ODBC etc..
- ◆ Spray nozzle is easy to be dismantled and cleaned, life span can be up to 3-5 years.
- ◆ Imported PALL 10um filter, dual filtering system.
- ◆ Secondary ink deposit, negative-supply regulation, reduce ink leaking.



▲Printing spray platform



▲Turning station



▲Printing spray platform

Item	Parameter
Resolution	Transversal 600 dpi, Longitudinal 200 dpi—600 dpi (Machine direction)
Nozzle width	Single nozzle54 mm
Distance between nozzle and substrate	0.5 mm—2 mm between
Ink droplet	15pl or 10pl or 5pl
Speed	Single black 300dpi—220 m/min Single black 400dpi—180 m/min Single black 450dpi—150 m/min Single black 600dpi—120 m/min
Printing positioning method	Dark (normally black)
Ink type	UV LED Ink (LED solidified)
Ink color	Standard configuration Black
Substrate	Gold, silver, white board, greyboard, art paper
Printing method	Vertical
Ink supply	Centralized ink supply, accuracy 0.1P
Ambient	10-35° C, Humidity 20 % - 60 %, Dustproof enviornmental

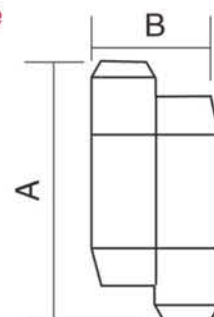




Technical parameter

Material	Cardboard, Solid board
Operation mode	Receiving signal from folder gluer, machine runs continuously automatically
Machine speed (MAX)	14 m/min
Machine dimensions (L×W×H/M)	3.4×1.9×1.2
Total weight (约)	800 kg
Power supply	1 KW
Air supply	2 Pa

Box type



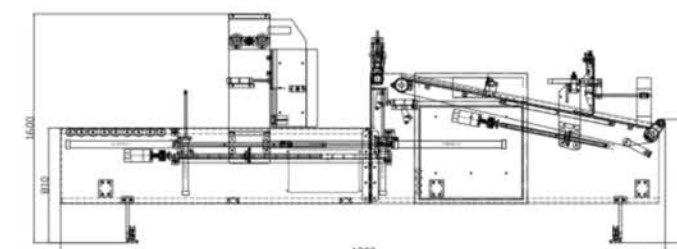
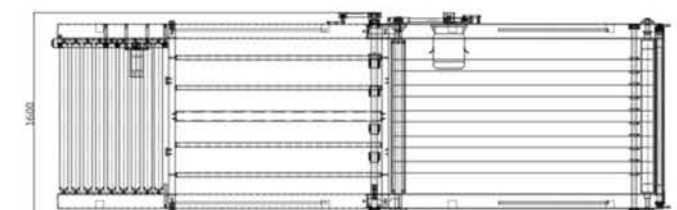
Item	Min. / Max.
A	75-430 mm
B	50-500 mm



Stacking and piling machine, can be retrofitted to all the folder gluers and strapping machines in the market. Significantly reduce labor cost.

Parameter

Min. Box width after folded	350 mm
Max. Box width after folded	980 mm
Power supply	6 KW
Weight	3 T
L×W×H	4.3×1.4×1.5 m



TECHNOFOIL 1050 C / SC / F / FC / FL / FLC / FSC

Fully automatic flatbed die-cutting and foil stamping machine

Variety of models and configurations, machine can do die-cutting, stripping, embossing, as well as hologram, foil stamping longitudinal or transversal or dual directions. High precision, high speed, easy to operate, quick make-readies, durability and stable performance.

Specifications

TECHNOFOIL	FSC	FLC	FL	FC	F	SC	C
Processed materials							
Paper	80 g/m ²	80 g/m ²	80 g/m ²	80 g/m ²	80 g/m ²	80 g/m ²	80 g/m ²
Carton board max.	2000 g/m ²	2000 g/m ²	2000 g/m ²	2000 g/m ²	2000 g/m ²	2000 g/m ²	2000 g/m ²
Corrugated board max.	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
Capacity							
Sheet size min.	350 x 400 mm	350 x 400 mm	350 x 400 mm	350 x 400 mm	350 x 400 mm	350 x 400 mm	350 x 400 mm
Sheet size max.	740 x 1050 mm	740 x 1050 mm	740 x 1050 mm	740 x 1050 mm	740 x 1050 mm	740 x 1050 mm	740 x 1050 mm
Speed max.	7500 boxes/h	7500 boxes/h	7500 boxes/h	7500 boxes/h	7500 boxes/h	7500 boxes/h	7500 boxes/h
Stamping speed max.	6000 boxes/h	6000 boxes/h	6000 boxes/h	6000 boxes/h	6000 boxes/h	6000 boxes/h	6000 boxes/h
Cutting force	400 Ton	400 Ton	400 Ton	400 Ton	400 Ton	400 Ton	400 Ton
Converting							
Stamping size max.(longitudinal, hologram)	720 x 1020 mm	720 x 1020 mm	720 x 1020 mm	720 x 1020 mm	720 x 1020 mm		
Stamping size max. (transversal)	580 x 1020 mm	580 x 1020 mm		580 x 1020 mm		580 x 1020 mm	580 x 1020 mm
Die cutting size max.	730 x 1040 mm	730 x 1040 mm	730 x 1040 mm	730 x 1040 mm	730 x 1040 mm	730 x 1040 mm	730 x 1040 mm
Heating system							
Heating zone	12 Pcs	12 Pcs	12 Pcs	12 Pcs	12 Pcs	12 Pcs	12 Pcs
Temperature max.	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C
Foil equipment							
Foil length	120 to 1200 m	120 to 1200 m	120 to 1200 m	120 to 1200 m	120 to 1200 m	120 to 1200 m	120 to 1200 m
Web width (longitudinal)	50 to 1020 mm	50 to 1020 mm	50 to 1020 mm	50 to 1020 mm	50 to 1020 mm		
Web width (transversal)	50 to 630 mm	50 to 630 mm		50 to 630 mm		50 to 630 mm	50 to 630 mm
Web advance shaft (longitudinal)	3	4	3	4	4		
Web advance shaft (transversal)	2	2		2		2	2
Pile height							
Feeder	1650 mm	1650 mm	1650 mm	1650 mm	1650 mm	1650 mm	1650 mm
Feeder with non-stop	1270 mm	1270 mm	1270 mm	1270 mm	1270 mm	1270 mm	1270 mm
Delivery	1300 mm	1300 mm	1300 mm	1300 mm	1300 mm	1300 mm	1300 mm
Dimensions&weight							
Length×Width×Height	7.08x5.52x3.26 m	7.08x4.28x3.26 m	7.08x4.28x2.45 m	7.08x4.28x3.26 m	7.08x4.28x2.55 m	7.08x4.28x3.26 m	6.13x4.28x3.26 m
Weight	21 Ton	21 Ton	18.5 Ton	19 Ton	18.5 Ton	17.5 Ton	16.5 Ton
Installation							
Power supply	60 kW	60 kW	60 kW	60 kW	35 kW	35 kW	35 kW
Compressed air	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar
Air compressor capacity	30 m ³ /h	30 m ³ /h	30 m ³ /h	30 m ³ /h	30 m ³ /h	30 m ³ /h	30 m ³ /h
Air tank capacity	155 L	155 L	155 L	155 L	155 L	155 L	155 L



- C** : Foil stamper transversal with 2 foil rolls
- F** : Foil stamper longitudinal with 4 foil rolls
- FC** : Foil stamper longitudinal with 4 foil rolls + transversal with 2 foil rolls
- SC** : Foil stamper transversal with 2 foil rolls + stripping
- FSC** : Foil stamper longitudinal with 3 foil rolls + transversal with 2 foil rolls + stripping
- FLC** : Foil stamper longitudinal with 4 foil rolls + transversal with 2 foil rolls + Hologram
- FL** : Foil stamper longitudinal with 4 foil rolls + Hologram



▲ Longitudinal foil stamping



▲ Transversal foil stamping

TECHNOCUT^{1050 / 1050 S}

Fully automatic flat-bed die cutting machine

TECHNOCUT 1050

Die cutting

TECHNOCUT 1050 S

Die cutting with stripping function.

Specifications

TECHNOCUT

Processed materials

Paper	80 g/m ²
Carton board max.	2000 g/m ²
Corrugated board max.	4 mm

Capability

Sheet size min.	350 x 400 mm
Sheet size max.	740 x 1050 mm
Speed	7500 boxes/h
Cutting force	400 Ton

Converting

Cutting size max.	730 x 1040 mm
Gripper margin min.	9.5 mm

Pile height

Feeder	1650 mm
Delivery	1300 mm

Installation

Power supply	25 kw
Compressed air	6 bar
Air compressor capacity	15 m ³ /h
Air tank capacity	100 L

Dimensions&weight

Model	1050	1050 S
Length	6.13 m	7.1 m
Width	4.28 m	4.28 m
Height	2.45 m	2.45 m
Weight	16 Ton	17 Ton



▲ Optional: Stripping make-ready table



▲ Stripping pins



TECHNOCUT 1050 Automatic Die Cutting Machine with or without Stripping Unit. It can run large formats. High precision, high speed, easy to operate, quick changeovers, durability and stable performance. Features that make this machine one of the best options available.



▲ Material



▲ Material



▲ Material

TECHNOCUT Fully automatic flat-bed die cutting machine

1650 S

TECHNOCUT 1650 S
Die cutting with stripping

Specifications TECHNOCUT

Processed materials

Corrugated flute E, B, C, A & AB

Capability

Sheet size min.	650 x 450 mm
Sheet size max.	1650 x 1200 mm
Speed max.	6000 boxes / h
Cutting force	400 Ton

Converting

Frame size interior	1640 x 1230 mm
Cutting size max.	1600 x 1180 mm
Gripper margin min.	6-12 mm
Waste edge width min.	12 mm
Die-cutting knife height	23.8 mm
Pressure range	±1.5 mm

Pile height

Feeder	500 mm
Delivery	600 mm

Installation

Power supply	35 kw
Compressed air	6 bar
Air compressor capacity	15 m³/h
Air tank capacity	100 L

Dimensions&weight

Model	1650 S
Length	10960 mm
Width	5820 mm
Height	2514 mm
Weight	33 Ton



Precise, Speedy, durable, stable, the utmost big format flat-bed die cutter condenses 30 years' experience and technology development.



▲ Material



▲ Delivery



▲ Friction feeder

SMARTFLUTE X 1450/1650/1850/2100

Fully automatic high-speed carton laminating machine

One click smart start, servo motor control for precise alignment, suitable for all kinds of laminating jobs, such as corrugated flute to cardboard, cardboard to cardboard, greyboard to cardboard etc.

Specifications

SMARTFLUTE X	1450	1650
Substrate min.	250 g/m ²	250 g/m ²
Flute type	E, F, B, C, A y 5 Up to 5-layer	E, F, B, C, A y 5 Up to 5-layer
Sheet size	450x450 to 1450x1450 mm	450x450 to 1650x1450 mm
Speed	160 m/min	160 m/min
Length	16 m	16 m
Width	2.5 m	2.7 m
Height	3.25 m	3.25 m
Weight	7.8 Ton	8.5 Ton
Power supply	30 kW	35 kW



▲ Registration



▲ Pressure auto-detecting



▲ Top sheet feeder



▲ Glue quantity auto-detecting

Job size, pressure, glue quantity intelligent control with one click.



▲ Top sheet length



▲ Top sheet side register



▲ Substrate side register

HANDLE APPLICATOR Automatic handle applicator

Handle applicator can adapt in all folder gluers of today's market.
Apply paper handle, environmental friendly.



Handle specification:

100% paper, environmentally recyclable
Handle feeder max.20 kg
Temperature 75°C to -20°C

Speed max.	10000 Pcs/h
Handle feeder pile quantity max.	600 piece
Rotating handle application head	650 mm
Dimension (L×W×H)	1.86-2.08×1.12×1.46 m
Weight	250 kg
Power source	380 V-50 Hz 24 V
Power supply	4.37 kw
Compressed air	6 Pa



ROYO MACHINERY