



ZH QUEST 2800

Automatic Specialty Folder Gluer



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ZIHONG
MACHINERY

ZH Quest 2800

AUTOMATIC SPECIALTY FOLDER GLUER

The ZH Quest is a Servo-driven automatic specialty folder gluer capable of producing a wide variety of shapes and sizes. The ZH Quest 2800 is a high speed versatile, computerized set up machine that can run straight line, six corner, or automatic lock bottom boxes.



Feed Section

The feeder consists of a bottom vacuum stream feed with AC-VS control of belt speed, motorized side guides, individual belt adjustment, extendable support arms, adjustable electronic pile jogger, and video monitor.



Sheet Alignment Section

The sheet alignment system on the ZH Quest is an independently driven section with three carriers that assist in registering the blank to one side. This ensures a perfect parallel before entering the pre-fold section or gluing sections. The carriers can be deployed on either side of the machine.



Pre-Fold Section

The pre-fold section assists in the folding of poorly scored or difficult boxes. The section has motorized set-up and can be computerized. The left hand pre-folder can fold up to 180° and the third crease can fold up to 135°.



Automatic Lock Bottom Section

Lock bottom boxes run easily on the ZH Quest. Servo controlled high strength hooks with helices allow for smooth and accurate folding of front flaps. Motorized set-up with touch screen controls make set-up easier. The upper belts are independently driven with pneumatic pressure control. Adjustable hook tension is also controlled through the touch screen.



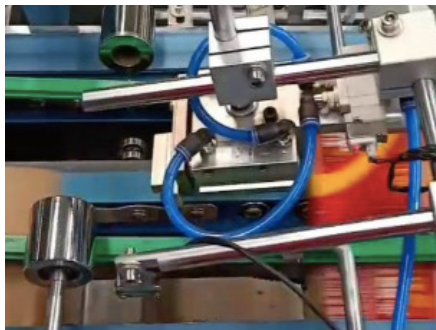
Back-Fold Section

The Servo-driven back fold system makes accurately folded and glued four & six corner boxes. The one and two back-fold shafts are individually controlled. The hooks have a one-bolt lock-up for ease of changeover. The Servo set-up functions are controlled by touch screen.



Folding Section

Boxes are folded accurately at high speeds with the three carrier construction. The rails are independently Servo-driven and controlled. Belt speeds can be micro-adjusted for precise folding.



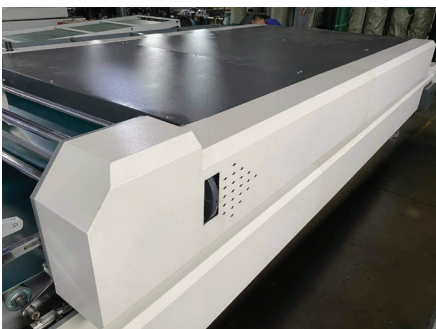
Mid-Stream Squaring System

Motorized and pneumatic squaring device at compression section. Two carriers with transport belts allow a perfect flow of boxes moving to the compression section. Rear stack squaring device that assists in squaring the boxes as they are entering the compression section.



Trombone Section

Upper and lower carrier can slide back and forth by motor control. With motorized upper and lower carriers with mechanical length adjustments.



Compression Section

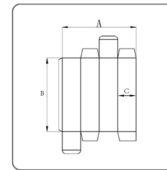
The compression section ensures that boxes stayed glued. This system can be equipped with an optional motorized squaring device with adjustable paddles for non-uniform squaring. The upper section moves back and forth to accommodate different sized boxes.

Technical Parameters	
Model	ZH-M2800 4/6
Suitable material	A/B/C/E/F flute, AB double wall (straight line only)
Max speed	600 FPM
Overall dimension	23600*3400*1700mm
Weight	18.5T
Power consumption	55KW,380V,50HZ

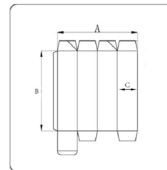
Standard and Operational Configuration List				
	Configuration	Units	Standard	Optional
1	Vacuum Feed Section		√	
2	Paper Alignment Section		√	
3	Pre-fold Section		√	
4	Crash Lock Bottom Module		√	
5	Upper Glue Pot			√
6	Lower Glue Pot		√	
7	HHS Glue System		√	
8	Grinder device			√
9	Plasma treatment system			√
10	Folding section		√	
11	Trombone section		√	
12	4/6 Corner Module		√	
13	Compression Section		√	
14	Monitor & Camera		√	
15	Squaring at Compression Section			√
16	Computerized/ERP Set-Up System			√
17	Driven top belt		√	

Common type and size

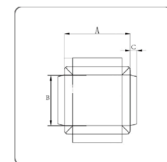
Straight line box (side glue)	
Model	2800Type
A	600-2800
B	250-1300
C	40-1200



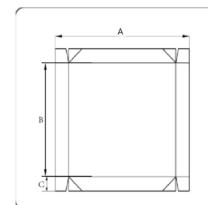
Bottom-lock box	
Model	2800Type
A	750-2700
B	250-1300
C	40-1200



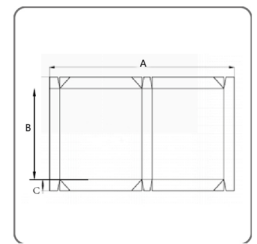
Double side box	
Model	2800Type
A	600-2800
B	250-1300
C	30-500



4-corner box	
Model	2800Type
A	650-2650
B	300-1000
C	30-250



6-Corner box	
Model	2800Type
A	650-2600
B	300-1000
C	30-250



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