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## RB600A/B Automatic Rigid Box Making Machine

RB600A fully automatic rigid box maker, also known as automatic rigid box machines, is the highest-end rigid box production equipment. It employs high speed motion controller, robot & camera positioning system, HMI to automatically finish feeding and gluing paper, conveying cardboard, forming and pasting four corners of cardboard, positioning, and wrapping box in one time. It is used in the field of high-grade packaging rigid boxes, involving electronic products, jewelry, cosmetics, perfumes, stationery, alcoholic drinks, tea, high-end shoes and clothing, luxury goods and so on.

- **Intelligent**
- **Digital adjustment**
- **Robot and camera positioning system**
- **Data save, fast size changing**

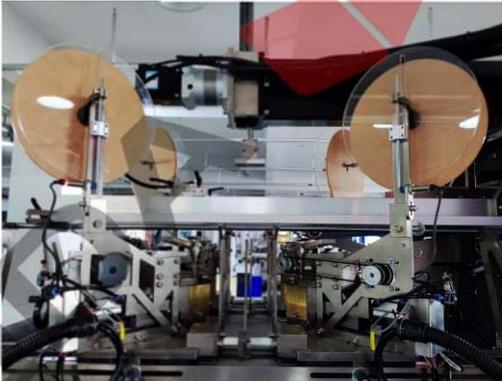


## Features:

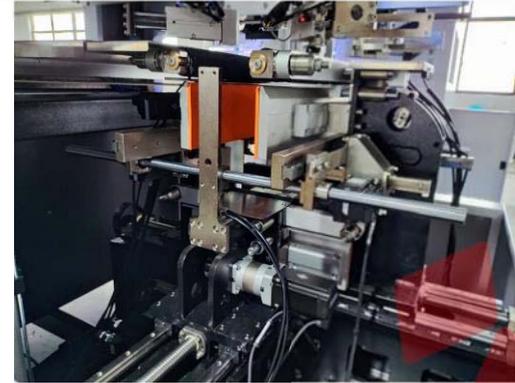
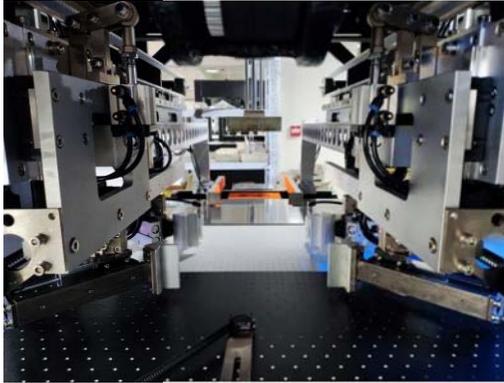
- (1) Automatic servo controlled paper feeder.
- (2) Automatic circulation, mixing and gluing system of hot-melting glue with viscosity meter.



- (3) Hot-melting paper/PET tape is automatic conveying, cutting, and pasting the cardboard box corners in one process.
- (4) The vacuum suction fan under the conveyer belt can keep the glued paper from deviating.
- (5) The glued paper and cardboard inner box employ Robot and camera positioning system. The positioning accuracy is  $\pm 0.1$ mm.



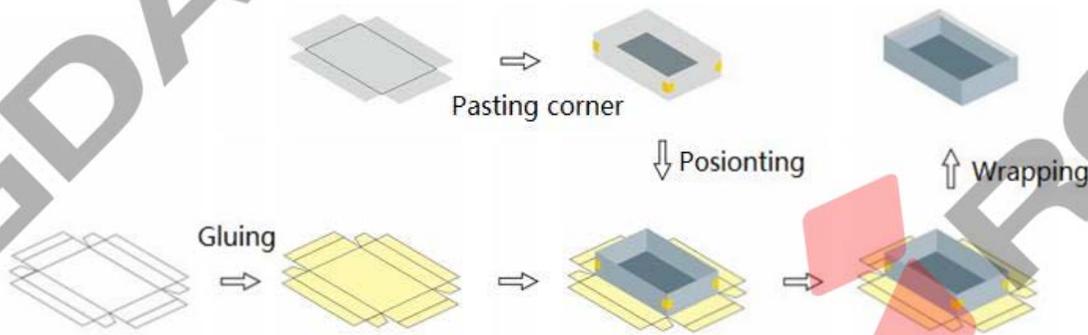
- (6) The box gripper can automatically collect and deliver the box to the wrapper without scratches.
- (7) The wrapper is driven by servo system(20sets) which can continually delivery boxes, wrap, fold ears and paper sides and form the box.



(8) The whole machine employs PLC, robot positioning system and touch screen HMI to automatically form boxes in one process.



**Production Flow:**



**Main Technical Parameters:**

**The corresponding relationship between the parameters:**

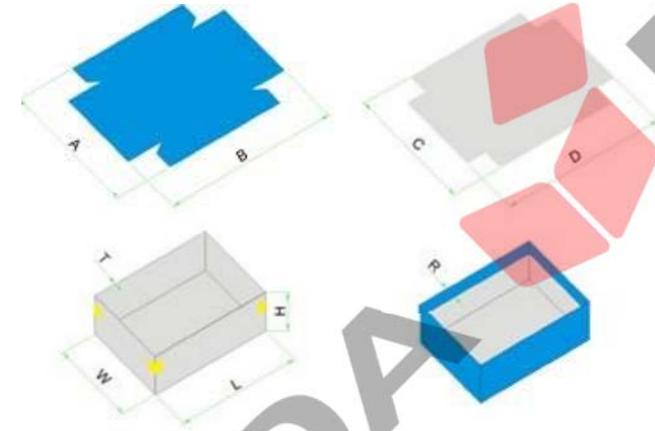
$$W+2H-4T \leq C_{(Max)}$$

$$L+2H-4T \leq D_{(Max)}$$

$$A_{(Min)} \leq W+2H+2T+2R \leq A_{(Max)}$$

$$B_{(Min)} \leq L+2H+2T+2R \leq B_{(Max)}$$

	Model	RB600A	RB600B
1	Paper size(A×B)	Min.100×140mm, Max.610×850mm	Min.100×140mm, Max.610×850mm
2	Box size(W×L)	Min. 50×100mm, Max.400×600mm	Min. 50×100mm, Max.400×600mm
3	Paper thickness	100-300g/m <sup>2</sup>	100-300g/m <sup>2</sup>
4	Cardboard thickness(T)	0.8~3mm	0.8~3mm
5	Box height(H)	12-150mm	12-120mm
6	Fold-in paper size(R)	10-100mm	10-100mm
7	Paper ear size	10-100mm	10-100mm
8	Precision	±0.10mm	±0.10mm
9	Speed	≤30pcs/min	≤30pcs/min
10	Paper Stack Height	380mm	380mm
11	Board Stack Height	1100mm	1100mm
12	Motor power	20kw/380v 3phase	20kw/380v 3phase
13	Heater power	10kw	10kw
14	Machine weight	5500kg	5500kg



15	Machine dimension(L×W×H)	L6360*W5000*H3260mm	L6360*W5000*H3260mm
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**Remark:**

1. The max and mini sizes of the boxes are subjected to those of the paper and the quality of the paper.
2. The speed depends on the sizes of the boxes.

**Sample:**

