
RB185A/B Automatic rigid box maker

Automatic Rigid Box maker is a good equipment for making high-grade rigid boxes for its fine design, reliable performances and international advanced technologies. It employs PLC, Yamaha robot & camera positioning system, HMI to automatically finish feeding and gluing paper, conveying cardboard, forming and pasting four angles of cardboard, positioning, and wrapping box in one time. Effectively replace manual production, greatly improving production efficiency and quality of finished boxes. It is applicable to make high-grade boxes for smart phones, shoes, cosmetics, shirts, moon cakes, liquors, cigarettes, tea, etc.



More Intelligent/Digital Adjustment

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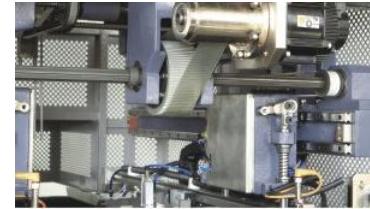
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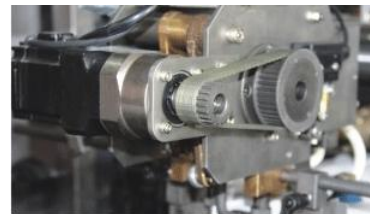
Mechanical positioning system

YAMAHA 500 Mechanical arm with HD cameras positioning system



Digital adjustment of sizes

Adopt new design of servo and pneumatic control structure to wrap the box, fast digital adjustment of sizes and with multi folding function.(Max.4 times)



New servo controlled feeder

New designed servo controlled paper feeder adopts post-sucking pre-pushing type to convey paper which efficiently avoids two pieces of papers entering into the machine.



Line-touch designed copper scraper

The copper scraper cooperates with the glue roller by line-touch design which is much durable



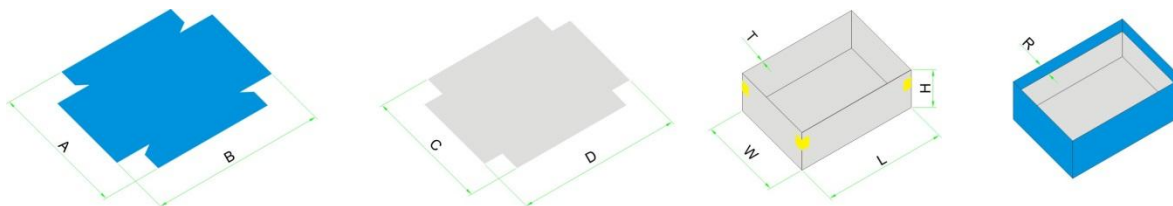
Concentrated lubrication system

The concentrated oil system sully ensures each parts lubricating and the steady running of machine.

Features:

- (1) Automatic servo controlled paper feeder.
- (2) Automatic circulation, mixing and gluing system of hot-melting glue.
- (3) Hot-melting paper 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 hydraulic pneumatic rectifying device to spot correctly. The spotting error is ± 0.5 mm.
- (6) The box gripper can automatically collect and deliver the box to the wrapper.
- (7) The wrapper can continually delivery boxes, wrap, fold ears and paper sides and form the box in one process.
- (8) The whole machine employs PLC, hydraulic positioning system and touch screen HMI to automatically form boxes in one process.
- (9) It can automatically diagnose the troubles and alarm accordingly.

Main Technical Parameters:



The corresponding relationship between the parameters:

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

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

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

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

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	Model	RB185A/B
1	Paper size(A×B)	Min.120×250mm Max.610×850mm
2	Box size(W×L)	Min. 50×100mm Max.400×600mm
3	Paper thickness	100-400g/m ²
4	Cardboard thickness(T)	0.8~3mm
5	Box height(H)	12-185mm(120mm)
6	Fold-in paper size(R)	10-100mm
7	Precision	±0.10mm
8	Speed	≦ 30sheets/min
9	Motor power	20kw/380v 3phase
10	Heater power	10kw
11	Machine weight	6800kg
12	Machine dimension(L×W×H)	L7000×W4100×H3600mm
13	Paper type	1/2/3

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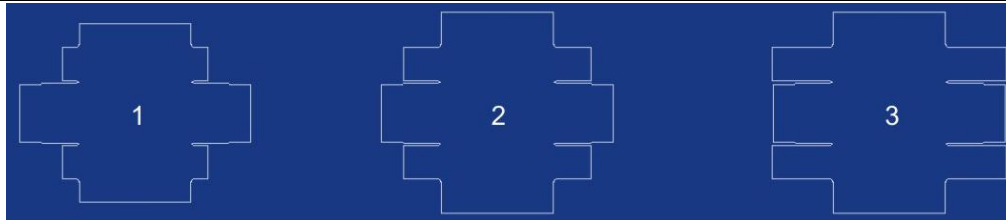
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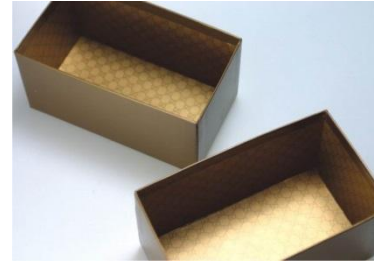
Paper type:



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.
3. We don't provide air compressor.

Samples:



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