



LY-HB3000CQ 智能高速天地合一生产线

Intelligent 2 In 1 rigid box making machine



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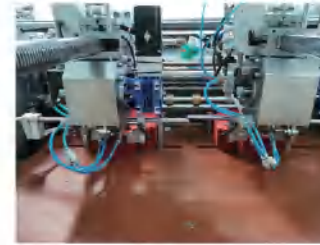
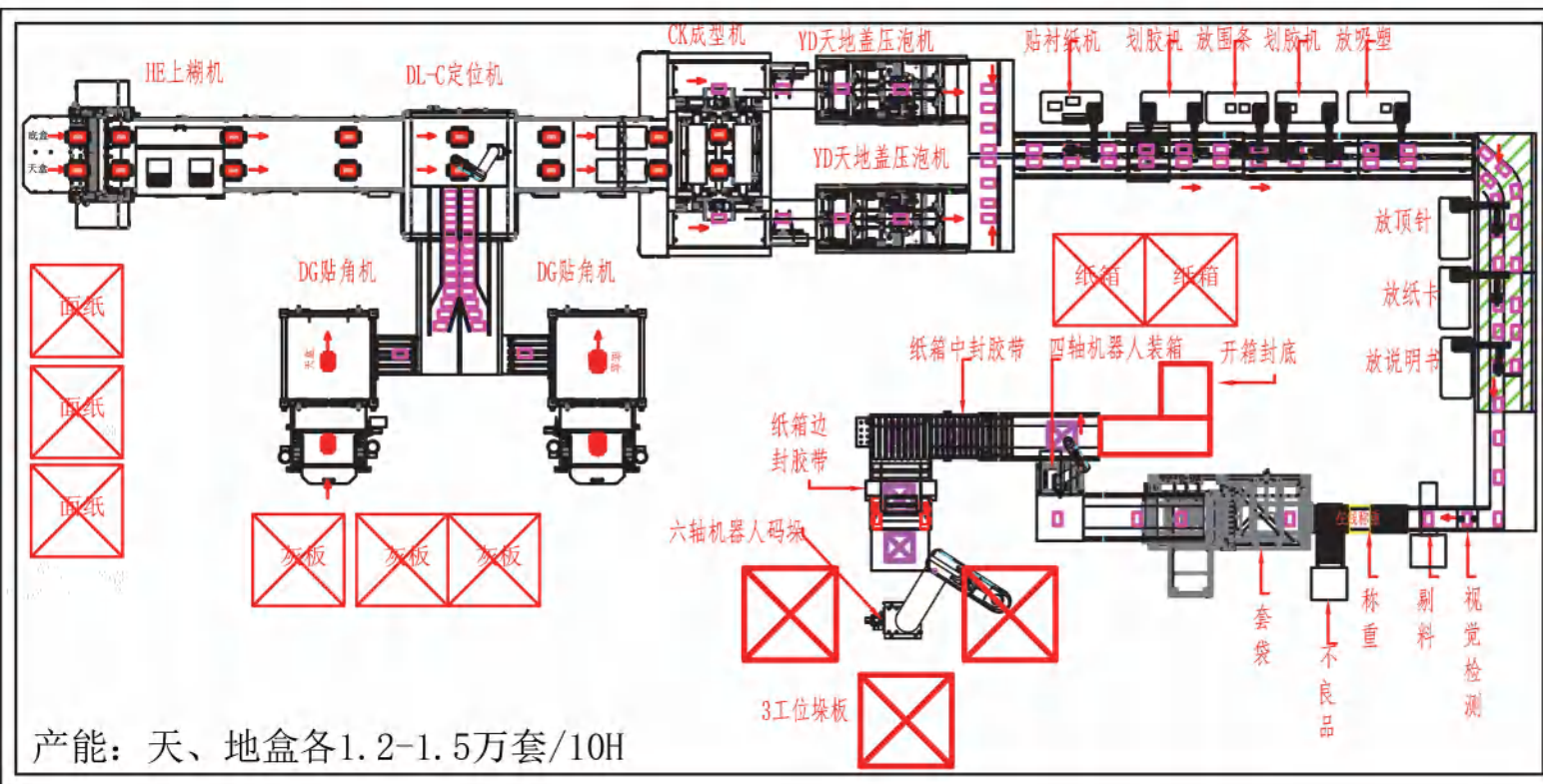
3000CQ天地合一生产线，是力顺源应市场需求，集十多年精品包装机械行业设计、生产经验，自主研发，经过两年的沉淀，推出此设备。

- 1.设备采用高精度视觉定位，定位精度达到 $\pm 0.05\text{mm}$;
- 2.设备整机采用智能化PLC控制，操作简单，人机界面友好;
- 3.此设备适用于手机盒、化妆品盒、珠宝首饰盒、月饼盒、茶叶盒等天地盒的生产;
- 4.生产速度达到50个/分钟，业界领先;
- 5.本设备可同时生产天/地盒，节约场地空间，前端天地盒的生产平衡率达100%;
- 6.当其中一个机头出现故障时，另外一边可正常生产。

3000CQ Intelligent 2 in 1 rigid box making machine, is developed and launched by Lishunyuan to meet the market demand after 2 years' precipitation with more than 10 years of design and production experience in high-quality packaging machinery industry.

- 1.The equipment adopts high-precision visual positioning parts with the accuracy of $\pm 0.05\text{mm}$.
- 2.The whole equipment uses intelligent PLC control and features in simple operation and friendly human-machine interface.
- 3.This equipment is suitable for the production of mobile phone boxes, cosmetics boxes, jewelry boxes, moon cake boxes, tea boxes and other boxes,
- 4.with the production speed up to 50 pcs/min;
- 5.The equipment can produce base and lid at the same time, saving space. The production balance rate of rigid boxes reaches 100%;
- 6.When one of the handpiece fails, the other side can produce normally.

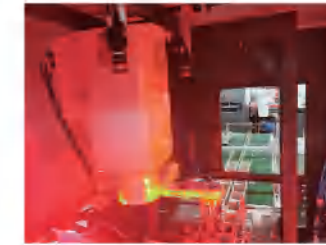
天、地盒一体机自动线布局图



双头飞达送料
Double feeding



两条分体输送带，降低面纸粘胶风险
Two separate conveyor belts to reduce the risk of sticky glue tissue



高精度机器人吸盒，双摄像视觉定位精度 $\pm 0.05\text{mm}$
High precision robot suction box positioning accuracy of $\pm 0.05\text{mm}$.



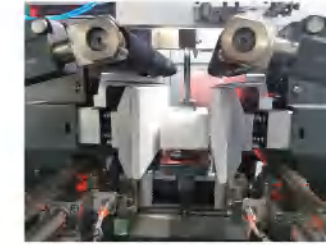
机械手双吸盒定位
Positioning of manipulator double suction box



循环上料，稳定快速
Circulation feeding, stable and fast



双头抱盒成型(可同时天盒、地盒一并成型)
Double head holding box forming (can be formed at the same time with the base and lid box)



固化铲刀、毛刷、压板，节约生产成本
Solidify blade, brush and pressing plate to save production cost



整机采用全伺服传动
The whole servo drive control setting time in 15 min.

主要技术参数 Technical Parameters

		same size	different size
面纸尺寸 Paper size(A*B)	最窄 W min	60mm	60mm
	最宽 W max	370mm	600mm
	最短 L min	120mm	120mm
	最长 L max	700mm	700mm
面纸厚度	Paper thickness	80-300g/m ²	
灰板厚度	Grey board thickness	1-3mm	
成品(纸盒)尺寸 Finished box size(W*L*H)	最窄 W min	45mm	45mm
	最宽 W max	250mm	250mm
	最短 L min	45mm	45mm
	最长 L max	350mm	350mm
	最矮 H min	12mm	12mm
	最高 H max	120mm	120mm
盒子具体尺寸需同时在面纸与胚盒尺寸范围内 The box size shall be within the dimensions of the paper & the grey board			
视觉定位精度	Positioning accuracy	$\pm 0.05\text{mm}$	
生产速度	Production speed	50 pcs/min	25 pair/min
整线功率	Max Power	26KW	
面纸堆放放置高度	Paper stacking Height	800mm	
气源要求	Air pressure	0.5-0.7mpa	
电源	Power Supply	380V/50Hz	
机器重量	Machine weight	6200kg	
设备整体尺寸	Overall size of equipment	L10000xW6000xH3500mm	