

**AUTOMATION**  
for the **Packaging Industry**

**ample**

Graphics Pvt. Ltd.

**RIGID BOX**



[www.amplegraphics.in](http://www.amplegraphics.in)

## FULLY AUTOMATIC RIGID BOX MAKING MACHINES



### LY-HB3000CQ



#### LY-HB3000CQ

- » The equipment adopts high-precision visual positioning parts with the accuracy of  $\pm 0.05\text{mm}$ .
- » The whole equipment uses intelligent PLC control and features in simple operation and friendly human-machine interface.
- » This equipment is suitable for the production of mobile phone boxes, cosmetics boxes, jewelry boxes, moon cake boxes, tea boxes and other boxes.
- » With the production speed up to 50pcs/min.
- » The equipment can produce lid and tray at the same time, saving space. The production balance rate of rigid boxes reaches 100%.
- » Equipped with Double Feeder, Double Positioning & Double Forming. Can be used to make Top & Bottom parts together.



### LY-HB1500CZ

#### Intelligent High Speed Automatic Sleeve Making Machine

- » Intelligent High Speed Automatic Sleeve Making Machine to produce Top or Bottom Sleeve at a time
- » Fast speed, high precision production speed of 32 pcs / min.
- » Full servo control, one-button mode for quick job change
- » With memory storage function for upto 1000 data
- » No need to replace the blade, brush, pressure plate, reduce the cost of spare parts



## FULLY AUTOMATIC RIGID BOX MAKING MACHINES



LY1200CM

### LY-850DN/LY-850DM

#### (Automatic Double Positioning Machine)

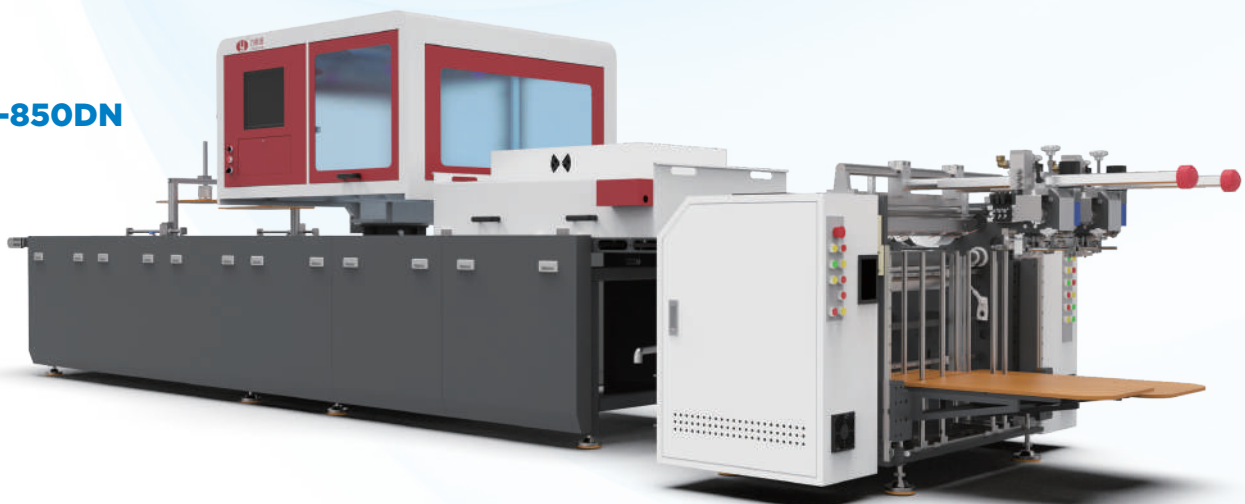
- » It is suitable for high quality gift box which need gluing, boxes for mobile; cosmetic; jewellery, watches, wine, cigarette and other packaging
- » It can manufacture boxes from 45x45x10mm to 1000x500mm
- » maintain speed from 20-40 pcs/min (double positioning)
- » and 15-30 pcs/min (single positioning)
- » Positioning part is a separate module with positioning accuracy of  $\pm 0.05\text{mm}$
- » LY-850DN : multi format positioning (including case making)

### LY1200CM

#### (Intelligent Automatic Rigid Box Making Machine)

- » Applications can include mobile phone boxes, gift boxes, cosmetic boxes, watch boxes, slanting boxes
- » Adopts PLC and man-machine control, camera tracing system
- » It can automatically feed cover paper, feed grey board, paste four corners, spot grey board, lift box, wrap box, fold edges and form boxes
- » It produces 25-30 pcs/minute with positioning accuracy of  $\pm 0.05\text{mm}$
- » The spot unit adopts a German camera with 10 million pixels and robot arm to pick and spot the grey board.
- » The forming unit employs a Japan ABBA linear slider and virtual cam driving system.

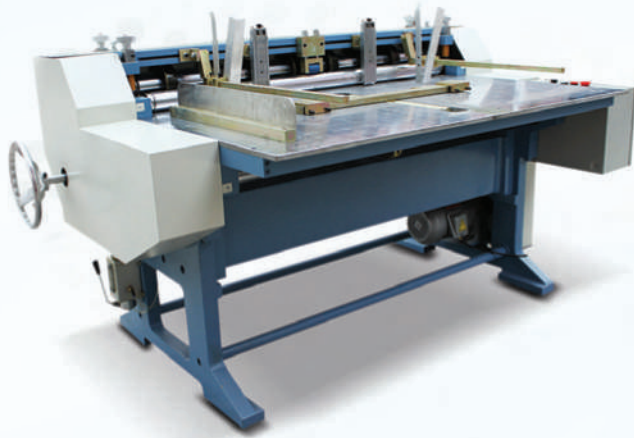
### LY-850DN



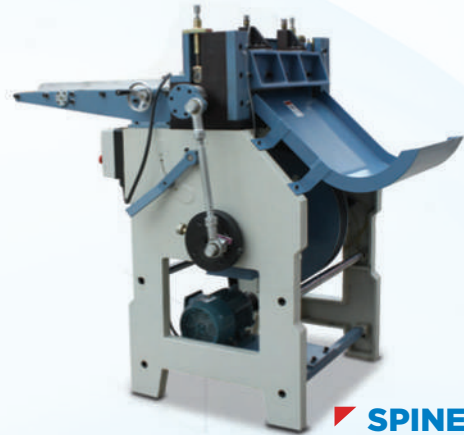




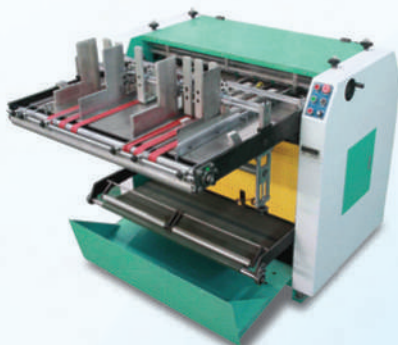
## SEMI AUTOMATIC RIGID BOX MAKING LINE



▶ **BOARD CUTTER**



▶ **SPINE  
BOARD  
CUTTER**



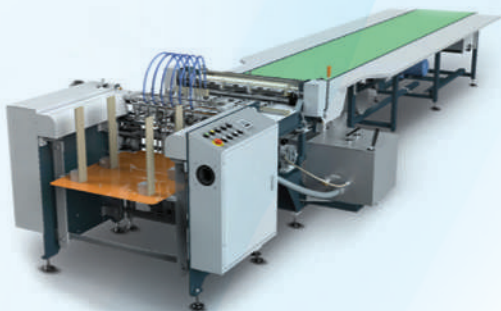
▶ **GROOVING  
MACHINE**



▶ **MANUAL  
TAPING  
MACHINE**



▶ **4 CORNER  
TAPING  
MACHINE**



▶ **GLUING  
MACHINE**



▶ **SMART BOX  
FORMING  
MACHINE**



▶ **BUBBLE  
PRESSING  
MACHINE**

## SEMI AUTOMATIC RIGID BOX MAKING LINE



▀ **AUTOMATIC CASE  
MAKING MACHINE**



▀ **VISUAL  
POSITIONING UNIT**



▀ **AUTOMATIC  
MAGNET ATTACHMENT  
MACHINE**



▀ **BOX  
ASSEMBLY  
MACHINE**



▀ **IRON SHEET  
PASTING MACHINE**



▀ **HOLE  
DIGGING  
MACHINE**



▀ **MAGNET  
PASTING  
MACHINE**



## RIGID BOX ACCESSORY MACHINES



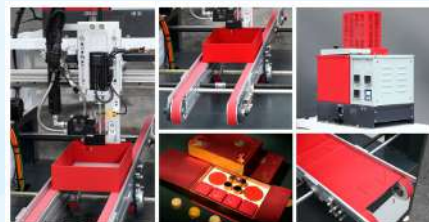
### RIBBON PASTING MACHINE

- » The equipment automatically cuts the Ribbon, applies the glue, attaches or threads the Ribbon, and kicks the box.
- » PLC Based precision alignment with 0.05MM accuracy at 20-22pcs /min.
- » Digitally controlled Ribbon length from 10-60mm with width ranging from 10-20mm.
- » Optional system to add trademarks or logos.
- » High speed, high accuracy spray gun with high speed electromagnetic valve for low consumption of glue.

### AUTOMATIC HOT STAMPING MACHINE

- » This machine is specially used for paper sheet, PVC, PU, etc automatic hot foiling in printing & packaging industry.
- » Automatic paper feeding and reciving are all controlled by servo motor with high precision, accuracy within 0.1mm
- » Foiling main shaft is driven by 1500W servo motor achieving 0-1.5 tons pressure adjustment, Foiling plate uses high precision temperature controller, thermocouple, and 400W heating plate, temperature can be controlled within 2-3 degrees.
- » Foiling paper moving is controlled by stepping motor with accuracy of 0.2mm.
- » Whole machine is operated by PLC+ Touch panel+high precision servo motor+air cylinder, with space saving design. Especially suitable for jewelry box, wallet & watch box, small hardcover, red pocket, demonstration box PVC etc.

### GLUE SPRAYING MACHINE



- » Automatic feeding, dispensing and discharging with one high-performance control system
- » Speed of 25-30pcs / min with a positioning accuracy of 0.1MM
- » Max Box size 450\*500MM and a height range of 10-120MM
- » Servo based system for high stability and high accuracy
- » Fast speed, strip spraying glue dispensing system for strong bonding and no leakage.



## COLLAPSIBLE BOX MAKING MACHINE

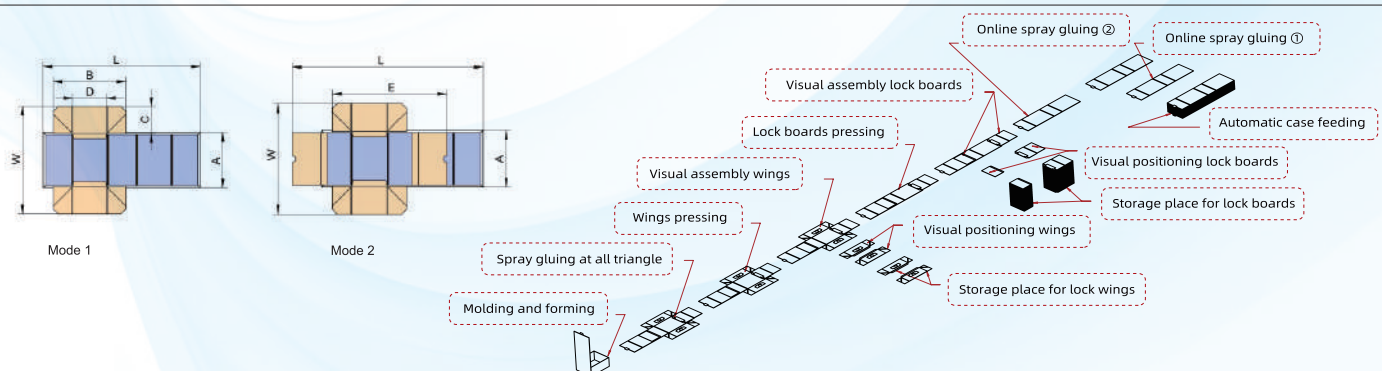


### AUTOMATIC COLLAPSIBLE BOX ASSEMBLY MACHINE

#### APPLICATION



#### EQUIPMENT PROCESS FLOW



- » This is a fully automatic machine to make high-end products having high requirements. It uses two sets of push knife plate splitting mechanism.
- » The servo driven conveyor is fitted with a vacuum suction device for precise movement of the hard cover to avoid scratches.
- » The glue is applied to the hard cover while it is still travelling. Air pressure is applied to spread the glue over larger surface. This process saves about 30% of the glue.

» Speed	14-16pcs/min
» Visual deviation correction accuracy	±0.2mm
» Case Size (Max) (L*W)	1200*880mm
» Width range of case A	145-560mm
» Length of side wing B	180-650mm
» Width of side wing C	30-150mm
» Center width of side wing D	145-450mm
» Operating height	800±25mm
» Air pressure	0.5-0.8MPa
» Air consumption	Max 0.5m³/min
» Vacuum pressure	0.07 - 0.09MPa
» Air consumption	40m³/H
» Supply Voltage	380V/50Hz/3phase
» Total Power	14.5kW
» Weight	5850kg
» Machine Dimension ( L* W*H)	117800mm*2700mm*2200mm

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