

**DZH-80**

# Automatic Cartoning Machine

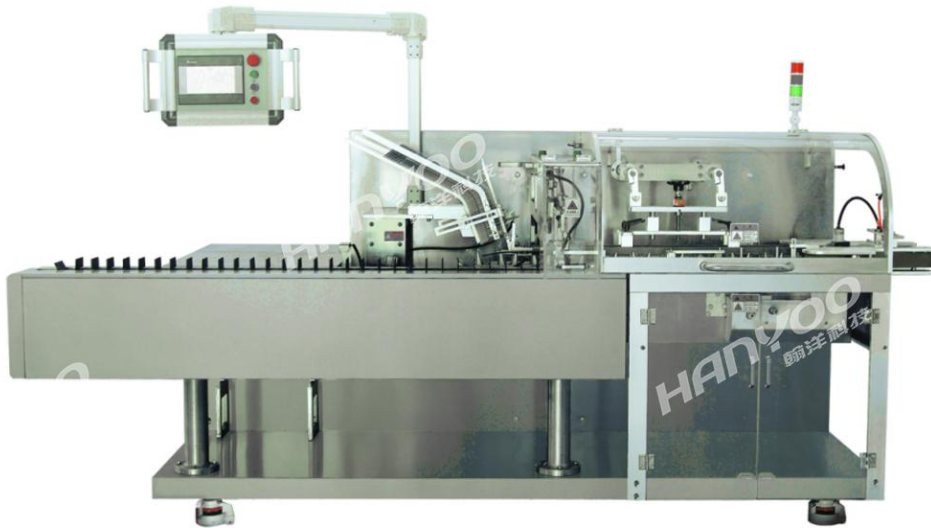


**EQUIPMENT  
TECHNICAL PARAMETER**

**南京翰洋智能设备有限公司**  
NANJING HANYOO PHARMATECH CO., LTD.



# DZH-80 Automatic Cartoning Machine



## INTRODUCTION

The DZH-80 horizontal automatic boxing machine is a high-tech product that integrates mechatronics, gas, and light. Suitable for automatic packaging of drugs, food, daily chemicals, hardware, medical devices, and other items. The manual can be automatically folded with a 1 to 4 fold fold; The paper box is automatically formed and transported, and the packaging materials and folded instructions are simultaneously loaded into the paper box; And automatically complete complex packaging processes such as batch number printing and paper tongue

sealing at both ends. This machine can be connected to blister packaging machines and labeling machines to form a packaging assembly line (Hot melting glue sealing is optional).

## **MACHINE FEATURES**

1. PLC automatic control, variable frequency speed regulation, internationally renowned electrical components are used.
2. Equipped with a human-machine interface operating system.
3. Automatically displays faults, box packing speed, and finished product count.
4. Automatically detects missing packaging or rejects for medicine boards (products) and instructions.
5. Stable performance, easy and understandable operation.
6. No suction of instructions without products, no suction of paper boxes without instructions.
7. When there are no products or insufficient product supply, the machine will idle without pushing products. It will automatically resume operation when the product supply is restored, and it will stop automatically if the product is not properly placed in the box.
8. Automatic machine stop when there are no paper boxes, and continuous absence of instructions will also trigger an automatic stop.
9. Convenient for changing different product specifications.
10. The main drive has overload protection device.
11. This machine can be used independently or linked with blister packaging machines, labeling machines, and other equipment to form a complete production line.

## TECHNICAL PARAMETER

| MODEL                 |                           | DZH-80                           |
|-----------------------|---------------------------|----------------------------------|
| Packing Speed         |                           | 30-60 box/min                    |
| Carton                | Quality Requirement       | 300-350g/m <sup>2</sup>          |
|                       | Size Range(L x W x H)     | L90-330mm , W50-210mm , H20-80mm |
| Leaflet               | Quality Requirement       | 60-80g/m <sup>2</sup>            |
|                       | Open Size Range(L x W)    | 90-300mm ; 90-200mm              |
|                       | Folded Size Range( L x W) | 90-200mm ; 20-40mm               |
| Compressed Air        | Working Pressure          | 0.5-0.7mpa                       |
|                       | Air Consumption           | 120-160L/min                     |
| Power Source          |                           | 380/220V 50HZ                    |
| Main motor power      |                           | 1.5kw                            |
| Dimension (L x W x H) |                           | 4150×1350×1800mm                 |
| Weight                |                           | About 2000kg                     |

## ELECTRONIC PART LIST

| NO. | NAME                     | MODEL          | QTY | BRAND        |
|-----|--------------------------|----------------|-----|--------------|
| 1   | Main Motor               | 1.5KW/380      | 1   | Libang       |
| 2   | High-Precision Encoder   | GJC-83-4L-150  | 1   | Yizhong      |
| 3   | Three-Phase Protector    | XJ3-G          | 1   | Delixi       |
| 4   | Alternating Current (AC) | CJX2-1810      | 1   | Chint        |
| 5   | Air Switch               | NXB-63         | 1   | Chint        |
| 6   | Emergency Stop Button    | ZB2-BE102C     | 1   | Chint        |
| 7   | Power Switch             | PMC-24V050W1AA | 1   | Taiwan Delta |
| 8   | Touch Screen             | DOP-107BV      | 1   | Taiwan Delta |

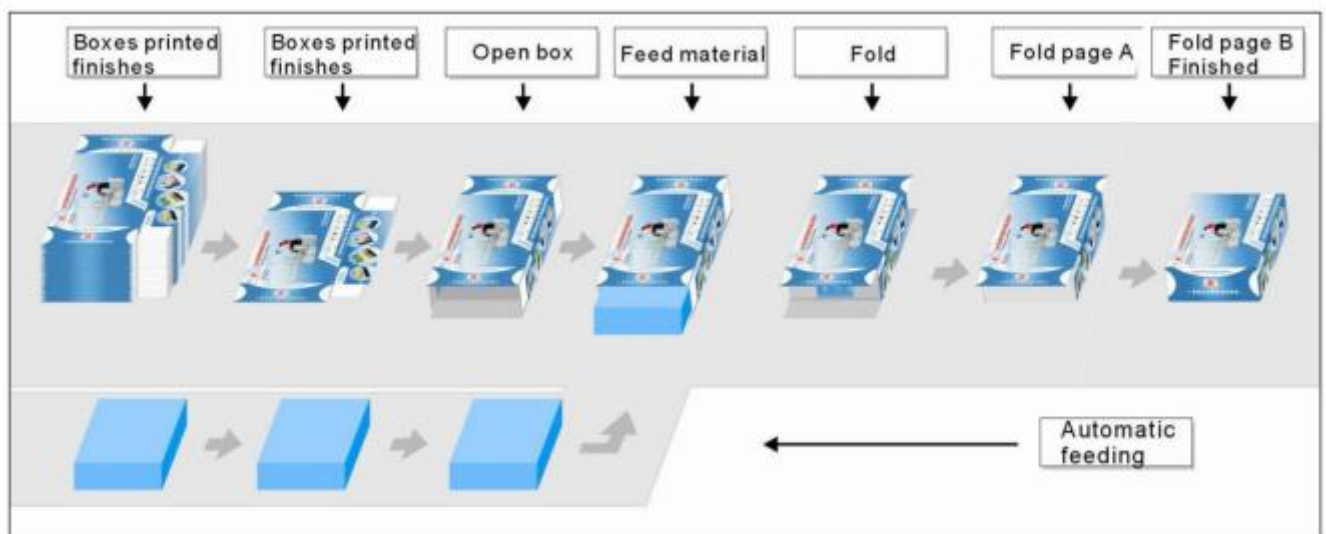
| NO. | NAME                                | MODEL              | QTY | BRAND         |
|-----|-------------------------------------|--------------------|-----|---------------|
| 9   | PLC (Programmable Logic Controller) | DVP-12SA2          | 1   | Taiwan Delta  |
| 10  | PLC D/A module                      | DVP-16SP           | 1   | Taiwan Delta  |
| 11  | Frequency converter                 | VFD7A5MS21ANSAA    | 1   | Taiwan Delta  |
| 12  | Photoelectric sensor                | GTE6-N1212 1051784 | 3-5 | Germany SICK  |
| 13  | Square proximity switch             | TL-Q5MC1-Z         | 1   | Japan Omron   |
| 14  | Cylindrical proximity switch        | LJ12A3-4-Z/BX      | 1   | Xinou         |
| 15  | Solenoid valve                      | 4V21008B           | 2   | Taiwan AirTAC |
| 16  | Electromagnetic valve               | VQ21A1-5G-C8-F     | 2   | Japanese SMC  |
| 17  | Vacuum valve                        | ZH20DSA-03-04-04   | 2   | Japanese SMC  |
| 18  | Encoder                             | E6B2-CWZ6C         | 1   | Japan Omron   |
| 19  | Filter pressure reducing valve      | GFR300-100         | 1   | Taiwan AirTAC |
| 20  | Active guide rail                   | HIWIN              | 1   | Taiwan HiWin  |
| 21  | Suction cup                         | ZP32 CU            | 1   | Japan SMC     |



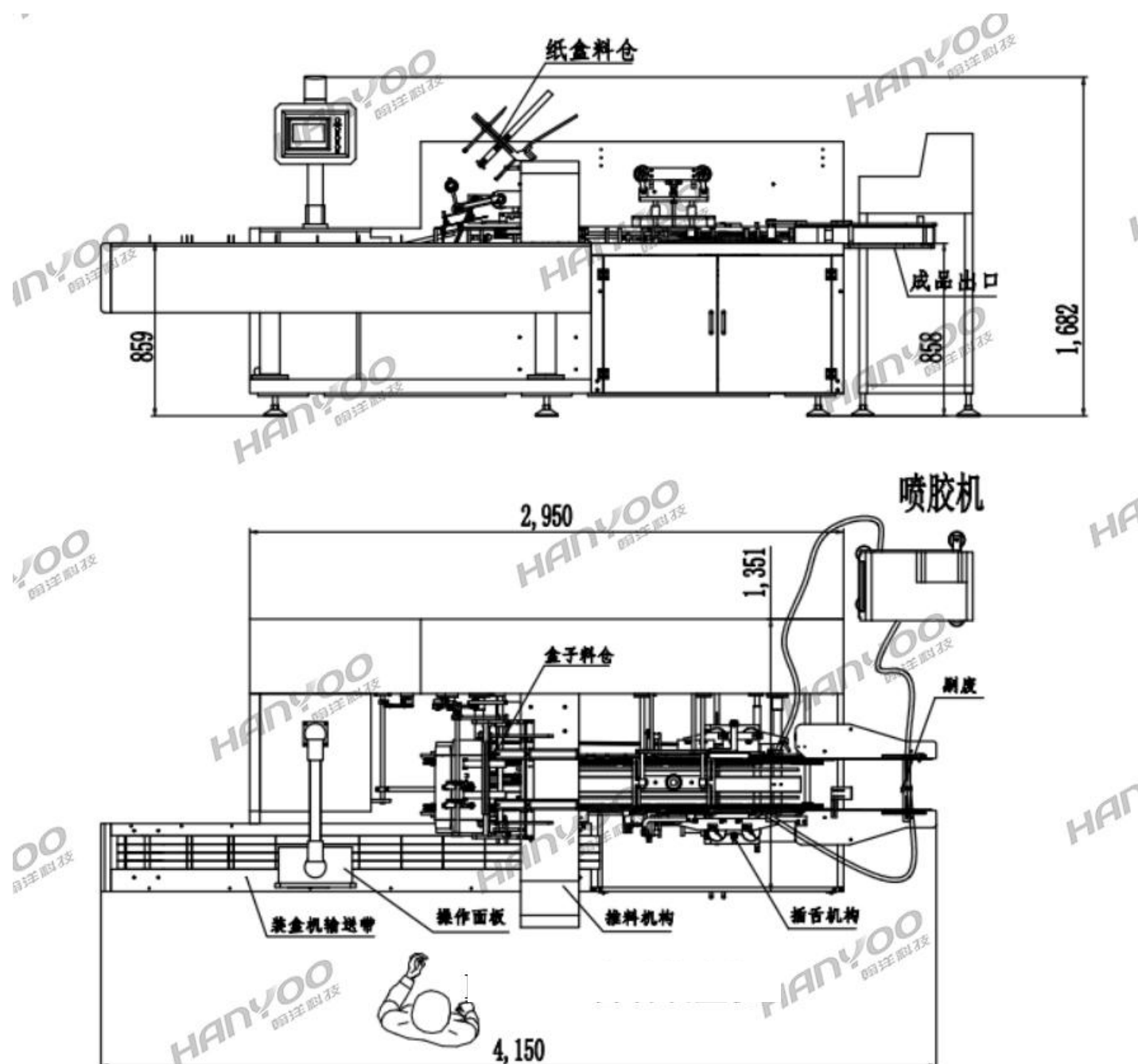
## SAMPLE



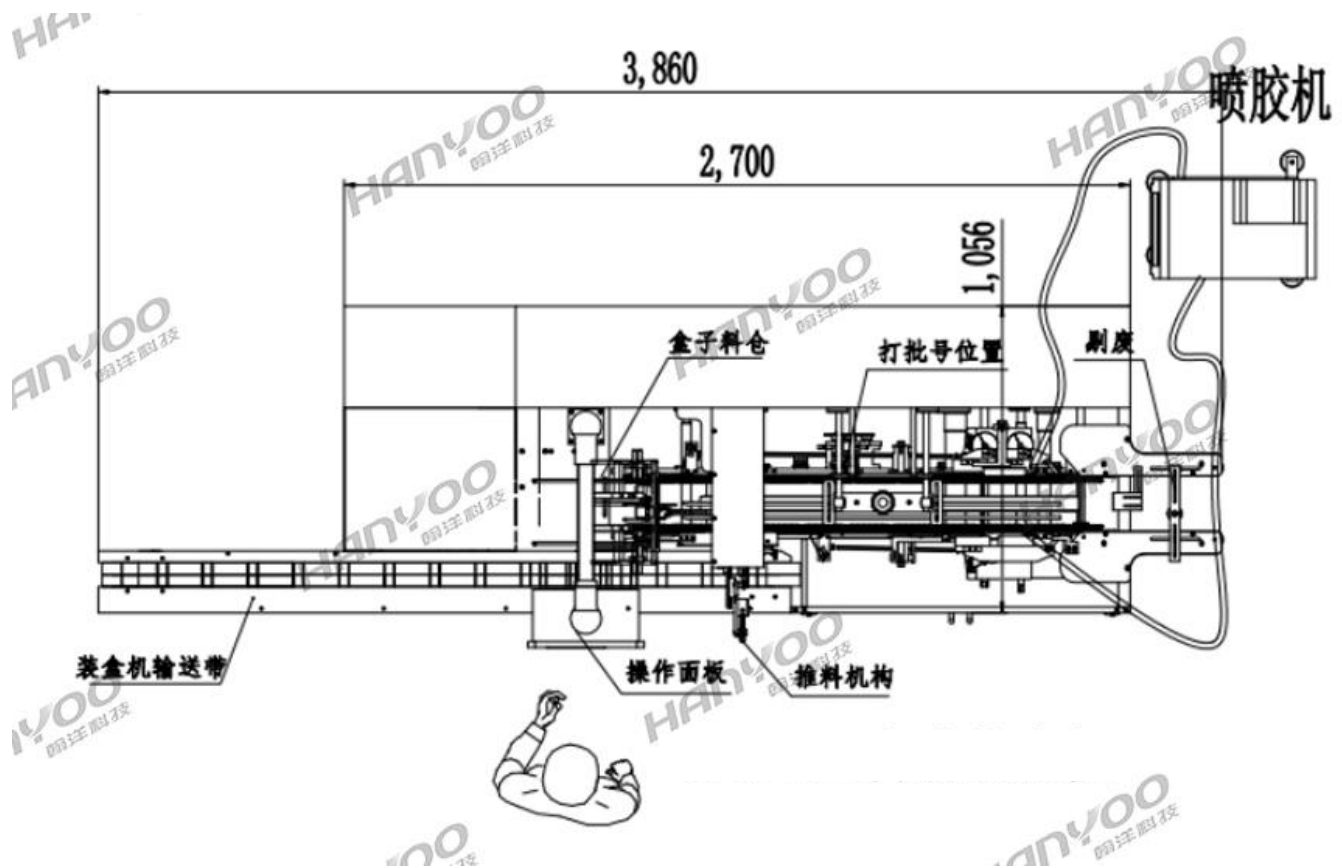
## PACKING PROCESS



## MACHINE SIZE DIAGRAM



## SIZE DIAGRAM OF GLUE SEALING





The banner features a dark blue background with several white line-art icons related to medicine and healthcare. These include a blister pack of pills, a medicine bottle with a cross, a spilled pill, two pills, a pill bottle, two pills, a syringe, and another blister pack of pills.

# **HANYOO**

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