

**DZH-130**

# Hexagonal Box Cartoning Machine



**TECHNICAL  
PARAMETER**

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



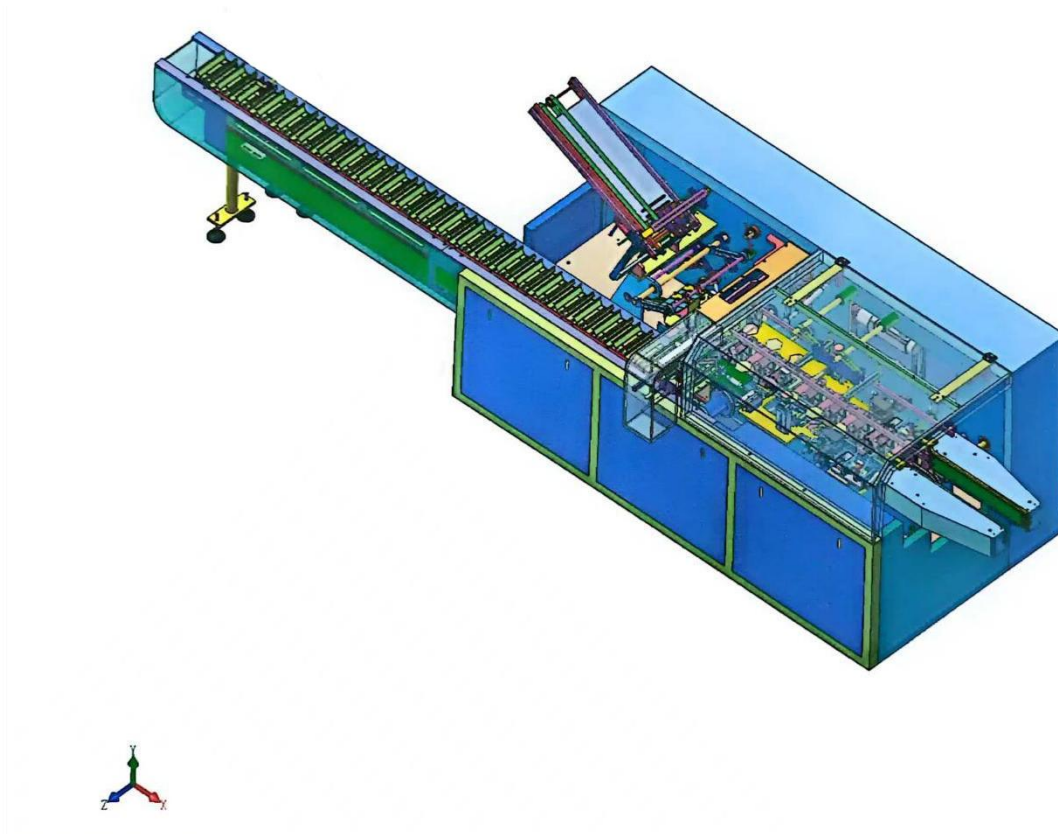
## DZH-130 Hexagonal Box Cartoning Machine



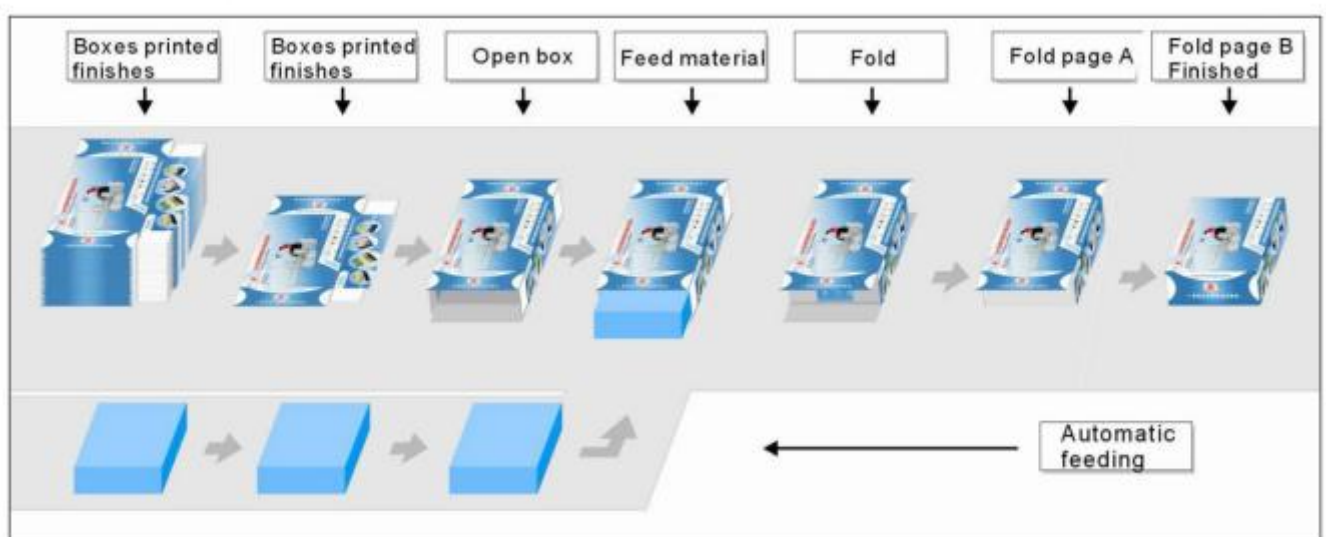
### BOX PROCESS DRAWING

This product is a new type of equipment further improved and perfected by our company based on the advanced technologies at home and abroad. It is a high-tech product integrating mechanics, electricity, pneumatics and optics. This product is suitable for the boxing and packaging of medicines, foods, cosmetics, auto parts, electronics, daily necessities and similar items. It features automatic folding of the user manual (optional), automatic opening of the paper box, boxing of items, printing of batch numbers (optional), and sealing of the box (hot melt adhesive can also be used). This machine can be used independently or in conjunction with other equipment to form a complete production line.

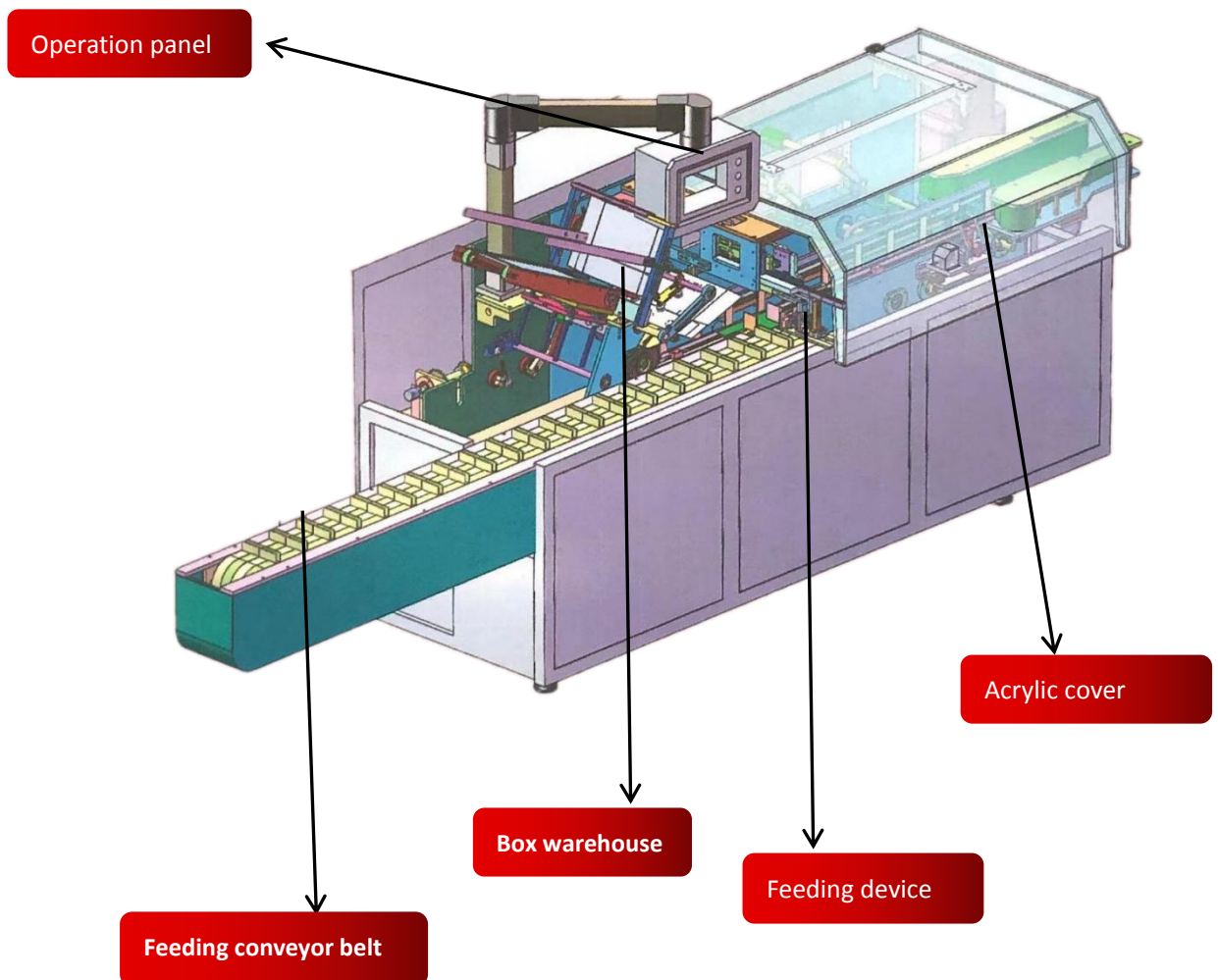
## EQUIPMENT DIMENSION DRAWING



## SCHEMATIC DIAGRAM OF THE BOXING PROCESS



## THREE-DIMENSIONAL SCHEMATIC DIAGRAM



## MACHINE DETAILS



**Box warehouse:** To meet the customers' requirements for packaging products of various specifications, the box warehouse is designed in an adjustable mode, facilitating customers to replace boxes of different specifications



**Conveying silo:** To achieve the best feeding and boxing effect, we will customize and design the style of the conveying silo according to the customer's products. Depending on the characteristics of the products, our silos will be quite different



**Feeding device:** Servo feeding, with optical eye detection. No material does not leave the box, which can avoid empty boxes and waste



**Finished product outlet:** Equipped with a conveyor belt and can be connected



**Box sealing device:** It can achieve automatic box closing and sealing, and is equipped with a hot melt adhesive machine to make the box flat and more compact and flat after sealing



It adopts a human-machine interface operating system, an imported brand touch screen, which is simple to operate, stable and reliable. It is equipped with a PLC automatic control system and variable frequency speed regulation. All electrical components are from internationally renowned brands

## TECHNICAL PARAMETER

MODEL	DZH-130
Packaging speed	40-50 boxes/min
Paper box size range	(110-260) × (110-175) × (30-70) mm (Customized for special sizes)
Paper requirements for paper boxes	300-450g/m <sup>3</sup>
Motor power	5.5KW
Power supply type	Three-phase four-wire 380V 50Hz
Machine noise	≤80dB
Gas source	0.5-0.8 Mpa
Gas consumption	120-160L/min
External dimensions	4700×1450×1900 mm
Whole machine weight	3000Kg

## MAIN CONFIGURATION LIST

No.	NAME	MOEDL	Manufacturer	QYT
1	PLC	CPIE-N30DT-D	Omron Japan	1
2	PLC expansion module	CPIE-C1F11		1
3	Touch screen	NB7W-TWOOB		1
4	Frequency converter	3G3JZ-A4015		1
5	Optical eye	SICK 121	SICK	1
6	Motor	CH-1500-10S 1.5KW	Taiwan	1
7	Indexing box	OS83-4L-180	Zhejiang Zhongli	1
8	Button	XB2	Schneider, France	3
9	Emergency stop	ZB2 BC4D		1
10	5-channel relay		Jiangsu	1
11	8-channel transistor			1
12	Solenoid valve	4V210-08	AirTAC	2
13	Pressure regulating valve	BFR-2000		1
14	Close to consecration	TL-Q5MC1	Omron Japan	2
15	Suction cup	VF-30	the republic of korea	2
16	Vacuum generator	ABM20-C	SMC	1
17	Ac contactor	LC1E3210M5N	Schneider	1
18	Switching power supply	PMC-24V 050V	Delta	1
19	Air switch	3P32A	Schneider	1
20	Encoder	B-ZSP3806E2C	Omron	1
21	Cover shell	Stainless steel	Shanghai	1



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