



BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com

ZN760 Automatic Plastic Thermoforming machine



Technical Parameters&Quotation

Name	ZN760 Automatic Positive & Negative Multi-Stations Thermoforming Machine
FOB Price	\$Contact me on +86 13566187377(Wechat/Whasapp)
Mold Price	\$, depending on the molds
Complimentary Machine	Vacuum pump (60 m ³ /h)
Packing	First wrapped by film, then in export wooden boxes, then in container.
Payment Term	T/T, 30% pay in advance, the balance should pay before delivery.
Delivery Time	45 Working days after deposit and drawing confirmed.
Installation	We will send technicians to your country for machine installation, debugging and training. Accordingly, the buyer shall bear all expenses required by our technicians during their stay in your country, including round-trip air tickets, accommodation, and food. The technician's salary will be paid by us during one week of stay. If it exceeds one week, the technician's salary is paid by the customer. Costs \$120 per day.
Guaranty Terms	We seller guarantee the machines are new and the guarantee period will be given 12 months which starts from the date of the machine's arrival. During this period, the seller will provide free maintenance and free spare parts that caused by the machine's quality .



BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com

Function Brief Introduction

ZN760 4-Station thermoforming machine is formed by splicing and welding steel structure profiles such as square pass and channel steel, which is used for assembling heating, mold table forming, mold table punching and auxiliary devices. The frame is welded with steel box body combine with heating, forming, punching and cutting and stacking stations, with strong structure and no deformation. Both the bracket and box body are pressurized, with high density. The shape is designed with sliding door, beautiful appearance and easy to maintain. All metal surfaces are treated with anti-rust and the bottom layer is sprayed with anti-rust paint; common parts and standard parts are used in the structure, which is convenient for later maintenance and replacement of all parts.



Technical Parameters



BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com

Model	ZN-760
Suitable Products	Disposable Plastic lids/covers, clamshell boxes, plates, (egg) trays , containers, etc.
Suitable Material	PLA, PP, PS, PET, PE,PVC, EPS,CORN STARCH etc
Forming Method	Positive & Negative Pressure
Max Sheet Width	400-830mm
Max. Forming Width	760mm
Max. Forming Length	650mm
Max. Forming Depth	150mm
Max. Cutting Speed	10-40 Cycles/min
Material Cutting Thickness	0.1mm-1.0mm; over 1.0mm need heating function of cutting mold
Material Max Thickness	PS: 0.1-2.0mm PP: 0.1-1.5mm PET: 0.1-1.2mm
Power	Max Power 90KW ; Actual Consume Power approx 35KW
Voltage	380V / 50HZ OR 220V 60HZ Three phase four wire
Pressure of Water Supply	0.2MPa
Water Consumption	0.3m ³ /h 5P Chiller
Air Pressure	0.5-0.8MPa
Air Exhaust Volume	≥1.2m ³ /min
Air Compressor	≥11KW
Machine Install Size	10500mm×2100mm×2000mm
Machine Packing Size	10500mm×2100mm×2000mm
Weight	11000KG



Remark: Due to technical improvements, the manufacturer reserves the right to modify the above parameters and functions without prior notice.

Machine Configuration

No.	Name	Brand and state
1	Programmable Logic Controller (PLC)	Using INOVANCE PLC programmable control and man-machine interface INOVANCE 10 inch color touch screen operating system, which can greatly improve the stability of each movement process and response speed.
2	Touch Screen	INOVANCE 10 inch color touch screen
3	Planetary Gearbox	Chinese brand
4	Vacuum pump	60m ³ /h
5	Water chiller	10HP industrial water chiller
6	Relay	Schneider
7	Solid State Relay	Yangming (Taiwan)
8	Solenoid valve	AIRTAC (Taiwan)
9	Transtecno	INOVANCE
10	Heating system	The furnace is 3 times length of the forming station, made of heat-resistant stainless steel. We use far infrared ceramic heaters (Chinese brand) and heat-resistant wire with current overload protection to ensure that difficult materials and high-temperature resistant materials are heated evenly. The qualified rate of finished products reached 99.9%
11	Temperature control system	INOVANCE temperature module thermostatic control with memory, one-key full control of temperature rise, one-key full control of temperature drop
12	Sheet loading	Double rods automatic feeding coil device, which can reduce the frequency of changing sheet rolls and improve the efficiency. It can hold about 800kg.
13	Surface Process	Using sliding doors made by tempered glass and all metal surfaces are treated with anti-rust, which can reduce the noise and is easy to clean.
14	Lubrication system	Easy to maintain by adopting intelligent lubrication system which can lubricate automatically by a certain amount of time.
15	Bearing	GCr15 Steel, high and even hardness and high wear resistance and fatigue resistance
16	Servo forming station	5 fulcrums station, which is more stable. It is controlled by 3 servo motors totally. 2 for upper and lower forming molds 4.5kw, one assistant stretching servo motor 3kw, to help forming better. Besides two 100 L(liter) air tanks for positive and negative pressure, which is more precise and the bottom will be more perfect. The max forming area is 760*650 mm and the max forming depth is 120 mm. We can increase the height according to your requirements.
17	Servo cutting station	Five point station, more stable Upper and lower servo motors 5.5kw, 100T cutting force. Easy-operation laser knife.
18	Servo punching	Upper and lower 4.5kw INOVANCE Servos, Easy-operation laser knife.



BOCHENG
MACHINERY CO.,LTD.
 瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
 Jane: +86 13566187377 (Wechat/Whatsapp)
 Email: info@bcmachinery.cn
 www.bochengjx.com

	station	
19	Servo feeding system	4.5kw INOVANCE servo motor
20	Servo stacking system	Controlled by a 1.8kw INOVANCE servo motor, Automatic counting and stacking with one 20 L air tank

Servo Motors Specification

Brand: INOVANCE (China)

Forming Station	Upper	4.5kw
	Lower	4.5kw
	Stretching	3kw
Punching Station	Upper	4.5kw
	Lower	4.5kw
Cutting Station	Upper	5.5kw
	Lower	5.5kw
Stacking Station	\	1.8kw
Pulling/Feeding	\	4.5kw
	Total	9 PCS

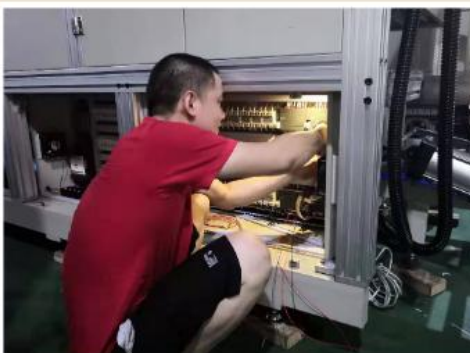
Note: Brand can be customized according to customers' needs.



BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com

Technical Team



Certification





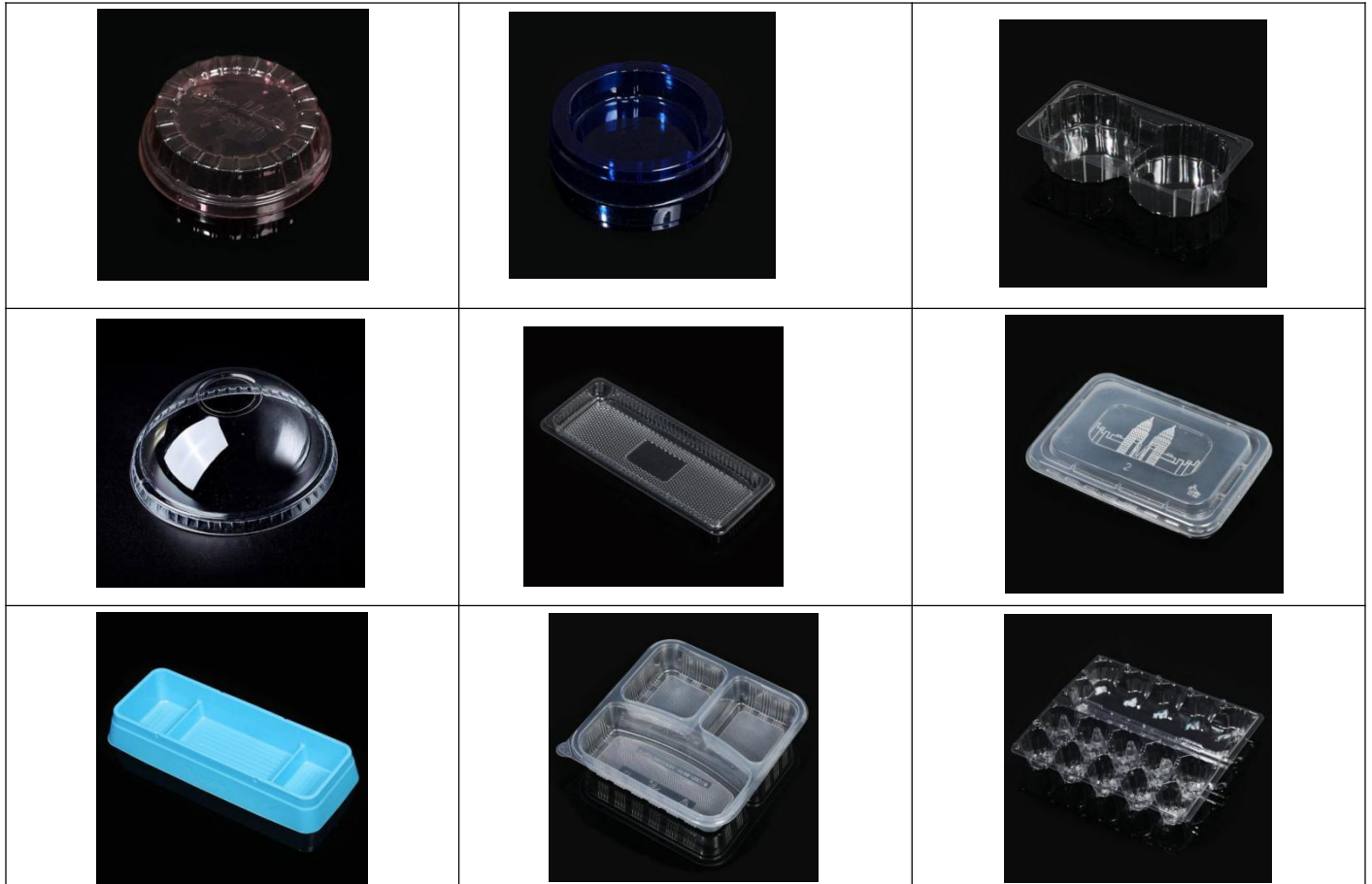
BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com



Applications

PLA, PVC, PET, PS,PP as raw materials, changing the mold at one machine to manufacturing lids, covers, trays, plates, boxes, food and medical trays, etc.





BOCHENG
MACHINERY CO.,LTD.
瑞安市博诚机械有限公司

No.358 Weier Road,Ruian City,Zhejiang,China
Jane: +86 13566187377 (Wechat/Whatsapp)
Email: info@bcmachinery.cn
www.bochengjx.com



Cooperate Friend Country

Now our machines have been widely used in many countries, such as Germany, France, Albania, Poland, Macedonia, Chile, Argentina, Ecuador, Middle East, Middle Asia, Southeast Asia, Africa and etc

