

## 汕头市凹凸包装机械有限公司

SHANTOU AUTO PACKAGING MACHINERY CO., LTD.

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高效 精准 节能

Efficient Accurate Energy Saving



## 机组优点

## Outstanding Features

- 高速，噪音小，可靠性高，维护操作方便。  
High speed, low noise, high reliability, and convenience to maintainance.
- 生产速度最高可达每分钟50个循环的成型机，绝对称得上高速成型机。  
Max. production speed up to 50 cycles per minute, definitely can be named as high speed thermoforming machine.
- 采用绝对式伺服控制，加上先进的自动化控制系统，对加工PP，PS，OPS，PVC，APET还是CPET，DW系列成型机都无可挑剔。  
DW series high speed thermoforming machine can work perfectly for PP, PS, OPS, PVC, APET, or CPET, due to the advanced automatic servomotor control system.
- 智能的加热系统，响应快，时间短，效率高。  
By adopting the intelligent heating system shows quick response rate, short processing time, high efficiency and low power consumption.

## 特点说明

## Characteristic Description



### 中央润滑系统 Central Lubrication System

采用电动润滑泵覆盖设备活动工位各节点，机器进入自动循环运作后，润滑泵就会自动启动，以各点所需的剂量由中央润滑系统控制进行一次完整的循环润滑；独立的链轨润滑装置，保证链条精准丝滑输送片材，两者搭配有效提高机械使用寿命。

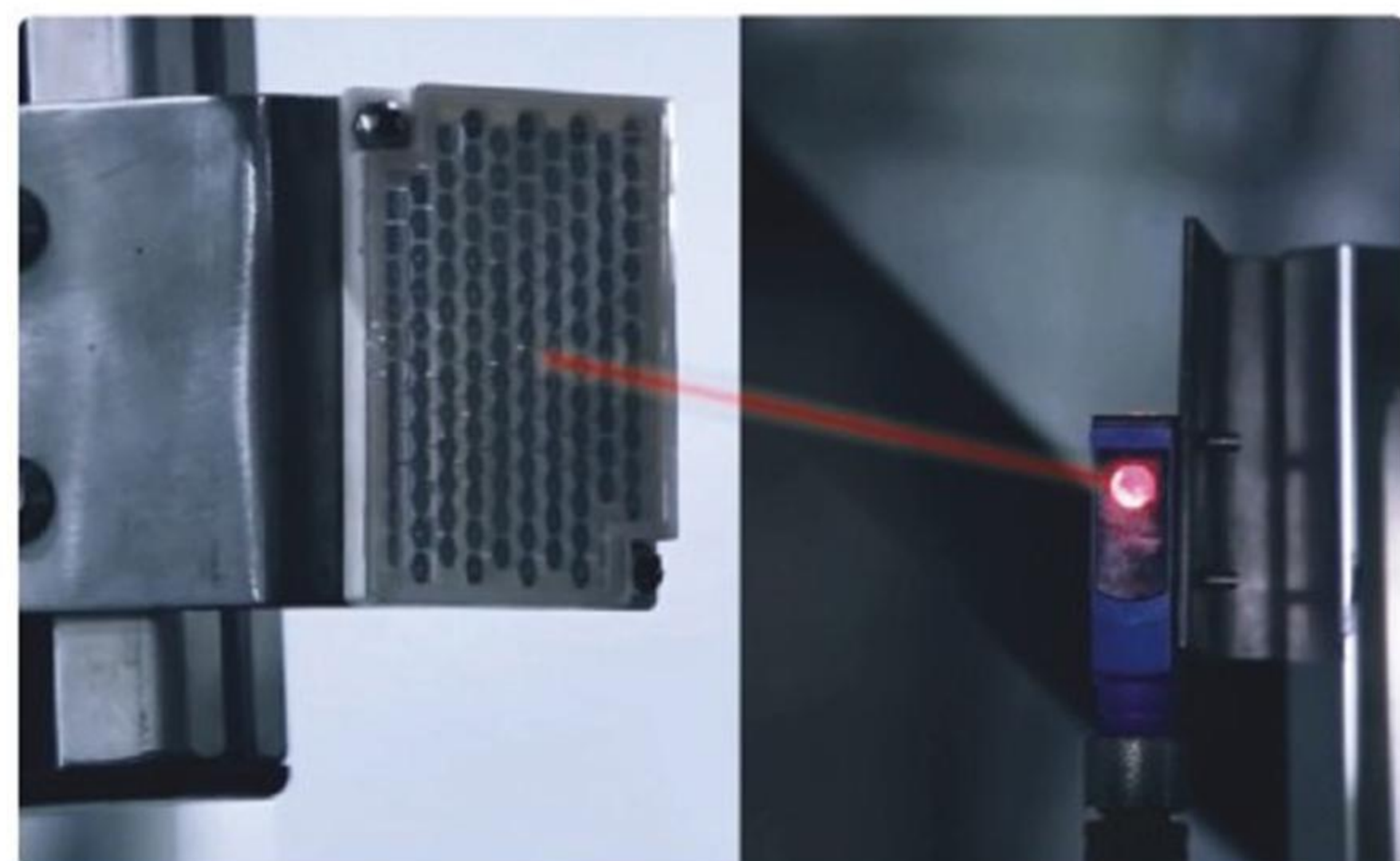
Our DW thermoforming machine are equipped with two lubrication pumps to cover every joint of the machine working station and the chain track. They will start automatically once the machine is at auto work. This can dramatically increase the lifespan of machine.



### 锁模结构 Mould Locking Structure

新型的模具更换机构设计，便捷安装，提高换模时间，保证最大化的生产效率。

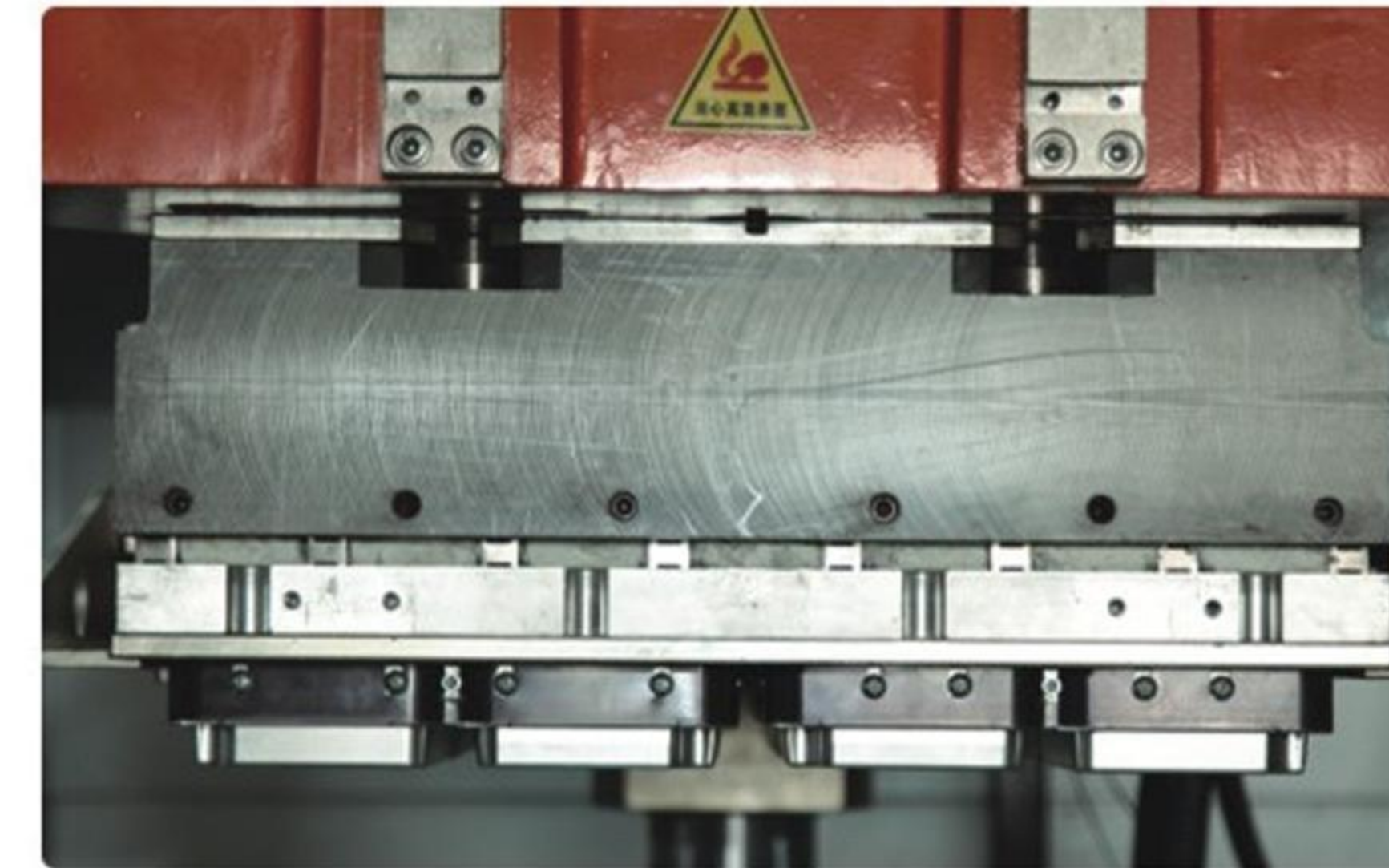
The newly designed mould locking structure can be easily mounted, change different moulds quickly and make sure the overall manufacturing efficiency.



### 垂片检测装置 Sheet Sagging Control

电炉还设置有片材过热过度垂片保护装置，由红外线光电对射器开关保护控制，当由于各种原因或生产过程中，人工误操作导致片材过度加热下垂时，电炉将自动关闭并退出至安全位置。

The safety device is designed to prevent the sheet sagging down into the lower heater element while overheating. The degree of sag is monitored by means of infrared sensor when the sheet accidentally overheated, shuts down the heater and return to the safety position.



### 钢刀加热装置 Steelknife Heating System

钢刀加热装置设计，有效提高刀模使用寿命，提高生产效率，降低产品损耗。

Steelknife heating system can increase mould lifespan, increase manufacturing efficiency and lower products wear.



### 机内水泵 Inside Water Pump

机身自带水泵辅助，调节水压，提高模具冷却速度，使产品成型完整到位，有效提高生产模次。

The machine comes with an assistant water pump to adjust water pressure, speed up mould cooling down, which assures a complete product and manufacturing cycles.



新型铝合金门框设计，搭配钢化玻璃，视物清晰，美观大方。

The newly designed aluminum alloy sliding gate frame with tempered glass features clear view and decent appearance

### 铝合金门框 Aluminum Alloy Sliding Gate Frame



设备电柜控制箱均搭配有独立空调散热降温，有效降低能耗，延长电器寿命。

This is to help cool down the temperature inside electric Cabinet, lower energy usage and increase the electronic components lifespan.

### 电柜空调 Air-condition of the Electric Cabinet



### 成型阀 Forming control Valve

控制采用美国 MAC 电磁阀搭配消声器控制成型气罐气流，精准输出，成型阀工作效率可达 120 次 / 分钟

MAC solenoid valve works with a silencer to apply accurate compressor air to products. The frequency of solenoid valve can be up to 120 per minute.



### 工具存放箱 Tool Storage Cart

随机配送一个工具箱，存放常用工具，避免工具零件配件杂乱存放导致丢失

The machine comes with a tool storage cart to avoid tool loss due to messy working condition.





## 公司简介

## About Our Company

汕头市凹凸包装机械有限公司是一家集研发生产销售于一体的企业，位于广东省汕头市金平区，占地面积7600平方米，从1992年开始涉及一次性制品的生产，经过20年的经验和努力，我们同时拥有制品厂和机械生产基地，我们的研发团队，已经可以生产出高效实用的全自动成型机。

现机械部平均年收入达500万美元，主要产品有塑料片材挤出机和热成型机，我们拥有自己的研发部门和经验丰富的工程师团队，保证产品的最佳质量，专业和高效的机械维护和售后服务。凭借20年生产热成型优质产品的经验，我们可以为客户提供更多有用的建议和技术支持，包括模具制造和最终生产。

我们的专业销售团队非常熟悉一次性产品材料和生产过程，可以为客户提供最专业的购买解决方案，更可针对客户需求提供定制设备。

我们的目标是为客户提供优质的设备，并成为世界一流的机械制造商。



DW3-78 / DW4-78 正负压多工位热成型机  
DW3-78 / DW4-78 PRESSURE AND VACUUM MULTI-STATION THERMOFORMING MACHINE

SHANTOU AUTO PACKAGING MACHINERY CO., LTD. Is a professional manufacturer integrated with R&D, manufacturing and sales service. We are located at Shantou, Guangdong, China. We started manufacturing disposable product in 1992, more than 20 years effort now we have both disposable product factory and machinery factory. Our machine factory covers a land of 7600m<sup>2</sup> and our annual revenue reaches US\$5 Million. Our major products are plastic sheet extruders and thermoforming machines. We have our own R&D department with our experienced engineer team which guarantee the best quality of product, professional & efficient machinery maintenance and after sale service.

With 20 years experience in producing thermoforming quality products, we can give our customer more useful suggestion and technical support from the tooling making and final production.

Our top selling item are high speed full automatic thermoforming machine and extrusion machine, including mould design and production, our professional sales team is very familiar with the disposable products material & production process, hence possibility for them to provide customer the most professional purchase solution of machine. For the DW Series high speed full automatic thermoforming machine, 50 times per minute at most, the noise is comparatively low. Though the structure is complex, it is still easy to operate and shows high reliability. Servo-control system is applied to all the machines. Moreover, the advanced automatic system is also adopted.

Our mission is to provide good quality machine to our customer and to be the leading packaging machinery manufacturer in the world.

### Specification Information

### 技术参数

Model	型号	DW3-78	DW4-78
Suitable Material	适用原料	PP,PS,PET,PVC,BOPS, CPET,etc.	PP,PS,PET,PVC,BOPS, CPET,etc.
Sheet Width	适用片材宽度	390-830mm	390-830mm
Thickness of Sheet	适用片材厚度	0.16-2.0mm	0.16-2.0mm
Max. Formed Area	最大成型面积	800×600mm	800×600mm
Min. Formed Area	最小成型面积	360×270mm	360×270mm
Availability Punching Area(Max)	最大冲切面积	780×580mm	780×580mm
Formed Depth	成型深度	≤±150mm	≤±150mm
Work Efficiency	工作效率	≤50pcs/min	≤50pcs/min
Heating Power	加热功率	134kw	134kw
Machine Weight	整机重量	18000kg	22000kg
Dimension	外观尺寸	13.8×2.45×3.05m	16×2.45×3.05m
Used Power	使用功率	112kw	125kw
Installed Power	整机功率	188kw	208kw

### DW3-78 /DW4-78 Pressure and vacuum Multi-station Thermoforming Machine DW3-78 / DW4-78 正负压多工位热成型机

