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# TONGDA MACHINE



## 中空吹塑设备解决方案 同大一站式智造

TONGDA—PROVIDES ONE-STOP INTELLIGENT  
MANUFACTURING SOLUTION FOR PLASTIC EXTRUSION BLOW MOULDING MACHINE



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TONGDA  
同大机械



## ABOUT TONGDA

### 关于同大

苏州同大机械股份有限公司，始创于1999年，是一家以塑料中空成型设备为核心的整厂智能制造解决方案提供商。公司连续十五年被评为塑料机械挤出吹塑中空成型装备行业前三强，是中国塑料机械工业协会副会长单位、国家级专精特新“小巨人”企业。

公司现有三个生产基地，总占地面积约10万平方米，年生产能力超1200台套。公司产品在技术创新、研发智造等方面具有明显的优势，截至2025年，公司主持起草2项国家标准、1项行业标准和1项团体标准，参与5项国家标准制定。

26年来，同大机械已为全球100多个国家和地区提供了9000多台(套)各种规格的挤吹中空成型设备，主要应用于化工、日化、汽车、植保、食品包装、户外休闲、医疗、物流仓储、光伏、校具、交通设施等主要行业。截至2025年，我司在全球已建立完善的销售服务网络——海外27家，国内14家销售服务中心，为当地客户提供7\*24小时专业服务，让同大客户买得放心，用得舒心。

同大机械将秉承“同心合力、一起壮大”的企业司训，致力于持续为全球客户提供定制化产品与服务，共同创造价值。



Suzhou Tongda Machinery Co., Ltd. founded in 1999, is a whole plant intelligent manufacturing solutions provider in blow moulding machinery field. We have been rated as the top three plastic machinery extrusion blow molding equipment industry for 15 consecutive years. We are the vice president unit of China Plastic Machinery industry Association and the national specialized special new "little giant" enterprise.

Till 2025, we have three manufacturing plants, with a total area of more than 100,000 square meters and an annual production capacity of above 1200 sets. Besides, there are about 100 persons of our R&D team, which guaranteed Tongda machines with edge advantages in technological innovation, R&D and intelligent manufacturing. As of 2025, we have led the drafting of two national standards, one industry standard, and one group standard; and participated in developing five national standards.

During the past 26 years, we have provided over 9000 sets of various specifications of extrusion blown hollow forming equipments to over 100 countries and regions worldwide, which are mainly used in chemical industry, daily chemical industry, automobile, crop protection, food packaging, outdoor leisure, medical industry, logistics warehousing industry, photovoltaic industry, transportation facilities and other major industries. Till 2025, we have established a comprehensive sales and service network across the world — 27 overseas and 14 domestic sales and service centers, which provide 7\*24 hours professional service to local customers.

With value "Growing with partners", we dedicate to provide customized products and services for global customers, and create a better future together.







**PROCESSING**

同大加工

BUILD AN EXPLORER IN MECHANICAL  
EQUIPMENT INDUSTRY

同大机械创立26年来，始终坚持“质量是企业立足之本”，专注于塑料中空成型技术领域，严把加工过程的每一道关口，力求以一流质量的产品应对激烈的市场竞争，为客户共同创造价值。

同大凭借精密的设备制造工艺、创新技术、严格的质量管控流程，确保设备质量。



During the past 26 years, Tongda Machinery has always adhered to the principle of "quality is the foundation of the enterprise", focusing on the field of plastic hollow forming technology, strictly controlling every step of the processing process, and striving to respond to fierce market competition with first-class quality products, creating value for customers together.

Tongda ensures product quality with its precision machine manufacturing process, innovative technology, and strict quality control process.



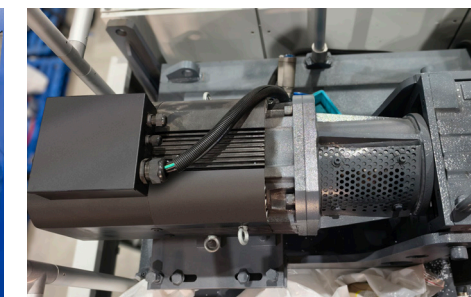
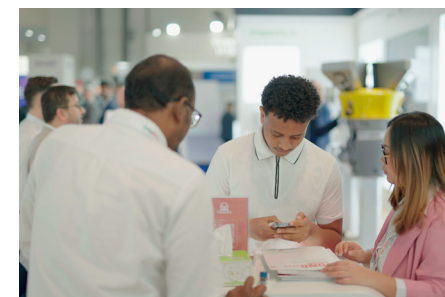
全球化  
Globalization



数字化  
Digitalization



绿色化  
Green Transition





## HT系列(10mL-18L)

FULLY AUTOMATIC EXTRUSION BLOW MOLDING MACHINE

**HT SERIES** (全自动系列挤出吹塑中空成型机)

[适合生产10mL-18L各类民用、化工等行业塑料中空制品]

[10mL-18L for consumer, chemical and other plastic hollow products.]

性能和优点

- 产品重量重复偏差小;
- 工艺成熟, 经受市场约20年考验;
- 整体式结构安装方便, 开机当天可生产。

PERFORMANCE AND ADVANTAGES

- Low product weight variation;
- Mature technology with 20-year market validation;
- Bigger clamping force, better product quality;
- Integrated structure enables easy installation and same-day operation.



**HTII-3L** (挤出中空吹塑设备)  
FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE

**HT-12L** (挤出中空吹塑设备)  
FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE



## HTS系列(10mL-20L)

FULLY AUTOMATIC EXTRUSION BLOW MOLDING MACHINE

**HTS SERIES** (全自动系列挤出吹塑中空成型机)

[适合生产10mL-20L各类日化、化工等行业塑料中空制品]

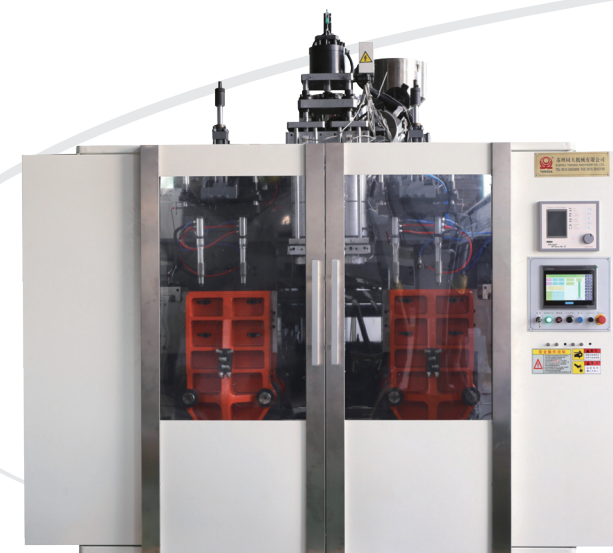
[10mL-20L for personal care, chemical and other plastic hollow products.]

性能和优点

- 产品重量重复偏差小;
- 采用去飞边装置, 结构设计合理, 飞边收集方便;
- 吹针三相可调, 兼顾直口与斜口吹塑需求。

PERFORMANCE AND ADVANTAGES

- Low product weight variation;
- Adoption of flash removal device, reasonable structure design, easy flash collections;
- 3-phase adjustable needles (straight/angled neck compatible).



**HTS II-12L** (挤出中空吹塑设备)  
FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE

**HTS II-8L** (挤出中空吹塑设备)  
FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE





## HS系列(10mL-30L)

FULLY AUTOMATIC EXTRUSION BLOW MOLDING MACHINE

**HS SERIES** (全自动系列挤出吹塑中空成型机)

[适合生产10mL-30L各类日化、化工、医疗、食品等行业塑料中空制品]

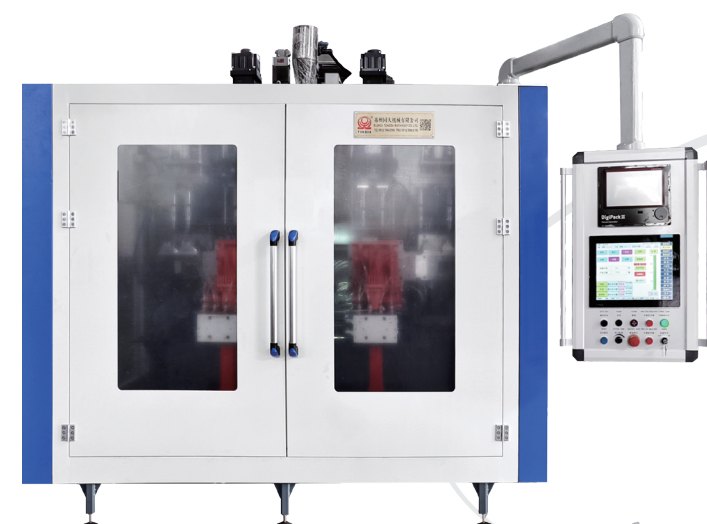
[10mL-30L for personal care, chemical, medical, food and other plastic hollow products.]

## 性能和优点

- 全伺服控制重复精度高，响应速度快；
- 较同类型设备产量提升20%；
- 锁模力大，制品质量更高；
- 打飞边装置+全程废料回收系统，可实现无人化操作。

## PERFORMANCE AND ADVANTAGES

- Servo-controlled: High repeatability & rapid response;
- 20% higher output vs. peers;
- Bigger clamping force, better product quality;
- Deflashing system and full-process scrap recycling, enabling fully automated operation.

**HS-30L** (挤出中空吹塑设备)FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE**HSII-2L** (挤出中空吹塑设备)FULLY AUTOMATIC  
EXTRUSION BLOW MOLDING MACHINE

## HSE系列(10mL-50L)

FULLY ELECTRIC EXTRUSION BLOW MOLDING MACHINE

**HSE SERIES** (全电动系列挤出吹塑中空成型机)

[适合生产10mL-50L各类医疗、食品、湿电子化学等行业塑料中空制品]

[10mL-50L for medical, food, wet electronics chemical and other plastic hollow products.]

## 性能和优点

- 无液压，0油污，洁净车间生产首选；
- 能耗节约30%-50%，产量提高10%-15%；
- 轻松实现远程操控，生产数据可追溯。

## PERFORMANCE AND ADVANTAGES

- Hydraulic-Free, zero oil contamination, top choice for clean rooms;
- Energy savings: 30%-50%, production increase: 10%-15%;
- Remote operation enabled, traceable production metrics.

**HSE-2L** (挤出中空吹塑设备)FULLY ELECTRIC  
EXTRUSION BLOW MOLDING MACHINE**HSE II -12L** (挤出中空吹塑设备)FULLY ELECTRIC  
EXTRUSION BLOW MOLDING MACHINE



## HW系列

TIE-BAR-LESS EXTRUSION BLOW MOLDING MACHINE

**HW SERIES** (无拉杆式挤出吹塑中空成型机)

## 性能和优点

- 采用无拉杆销锁结构，锁模力大且均匀；
- 液压采用伺服系统，控制精准，高效节能。

## PERFORMANCE AND ADVANTAGES

- Tieless clamping structure ensures high, uniformly distributed force;
- Servo-hydraulic: Precision control, high efficiency & energy saving.



**HW II -30L** (挤出中空吹塑设备)  
TIE-BAR-LESS  
EXTRUSION BLOW MOLDING MACHINE

## TDW系列(160L-350L)

TIE-BAR-LESS EXTRUSION BLOW MOLDING MACHINE

**TDW SERIES** (无拉杆式挤出吹塑中空成型机)

[适用于生产160L-350L各种托盘、桌面板、箱包类、路障、广口桶、汽车件等]

[160L-350L for pallets, table boards, luggage, road barriers, wide-mouth drums, auto parts, and other plastic hollow products.]

## 性能和优点

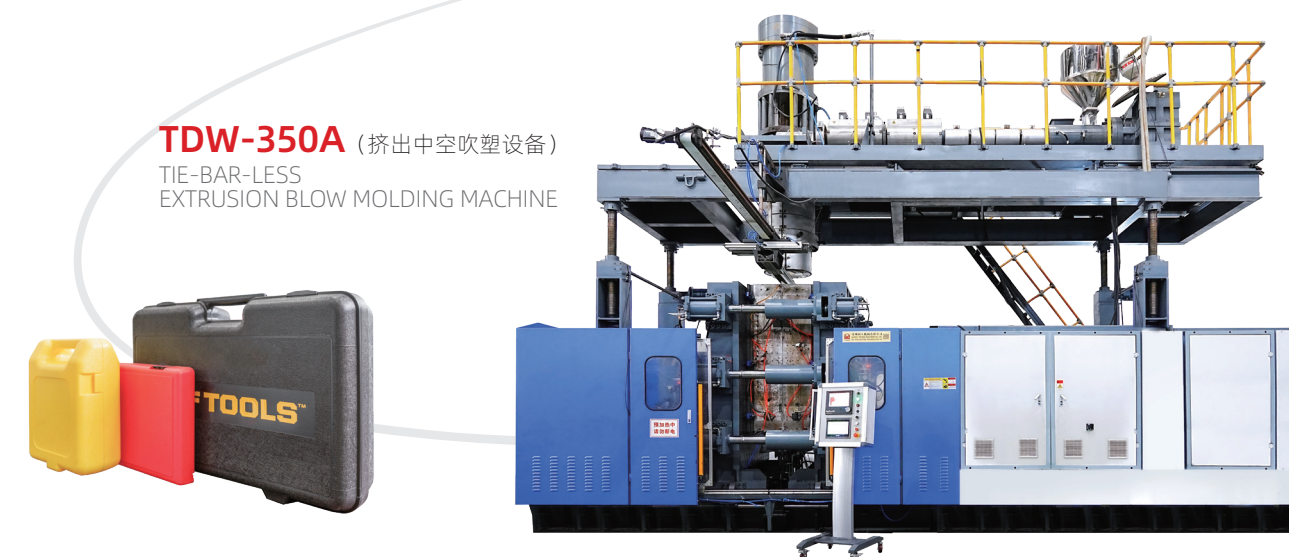
- 采用无拉杆销锁结构，锁模力大且均匀；
- 采用小缸径油缸锁模，开合模速度快，比同等锁模力机型节能30%；
- 采用伺服液压系统，控制精准，产品重量重复偏差小。

## PERFORMANCE AND ADVANTAGES

- Tieless clamping structure ensures high, uniformly distributed force;
- Small-bore cylinders enable rapid mold movements, 30% less energy;
- Servo-hydraulic system ensures precise control, minimal weight deviation.



**TDW-160E** (挤出中空吹塑设备)  
TIE-BAR-LESS  
EXTRUSION BLOW MOLDING MACHINE



**TDW-350A** (挤出中空吹塑设备)  
TIE-BAR-LESS  
EXTRUSION BLOW MOLDING MACHINE



## TDB系列(10L-3000L)

ACCUMULATOR EXTRUSION BLOW MOLDING MACHINE

### TDB SERIES (储料式挤出吹塑中空成型机)

[适用于生产10L-3000L各种化工桶、箱包、校具、家具、玩具、汽车件等]

[10L-3000L for chemical drums, cases, school furniture, household furniture, toys, auto parts and other plastic products.]

#### 性能和优点

- 专利模头技术，换色速度快；
- 塑化采用高效螺杆，液压均采用伺服系统，有效降低能耗，节约成本；
- 设备耐用稳定，产出制品品质高；
- 快速投产，适用于更多行业生产。

#### PERFORMANCE AND ADVANTAGES

- Patent die technology, rapid color change;
- Plastification adopts high-efficiency screw, hydraulics use servo systems, effectively reducing energy consumption;
- Durable and stable machine, delivering premium product quality;
- Quick production launch, suitable for more industries production.



**TDB-50A** (挤出中空吹塑设备)  
ACCUMULATOR  
EXTRUSION BLOW MOLDING MACHINE



**TDB-80A** (挤出中空吹塑设备)  
ACCUMULATOR  
EXTRUSION BLOW MOLDING MACHINE



## TDB-200升L环桶专机 (TDB系列)

TDB SERIES - DEDICATED BLOW MOLDING MACHINE FOR 200L L-RING BARRELS

#### 性能和优点

- 多层储料模头结构均获专利，分层均匀，焦料排出少；
- 多伺服驱动，比常规机型节约30%能耗；
- 塑化系统采用伺服电机直连驱动，制品重量重复精度高；
- 射料和吹针动作可同步进行，有效节约20-27s成型时间。

#### PERFORMANCE AND ADVANTAGES

- Multi-layer parison head: Uniform layers, minimal material degradation;
- Multi-servo drive: 30% less energy vs standard;
- Direct servo-driven plastification: High weight consistency;
- Simultaneous extrusion/blow needle: Saves 20-27s cycle time.



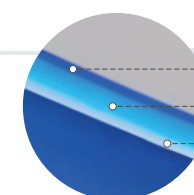
**TDB-250F-P** (双层单工位)  
DOUBLE-LAYER SINGLE-STATION



双层储料机头  
Double-layer accumulator die head



三层储料机头  
Triple-layer accumulator die head



外层 Outer layer  
中层 Middle layer  
内层 Inner layer



**TDB-250F-P3** (三层单工位)  
THREE-LAYER SINGLE-STATION



# IBC吨桶专机

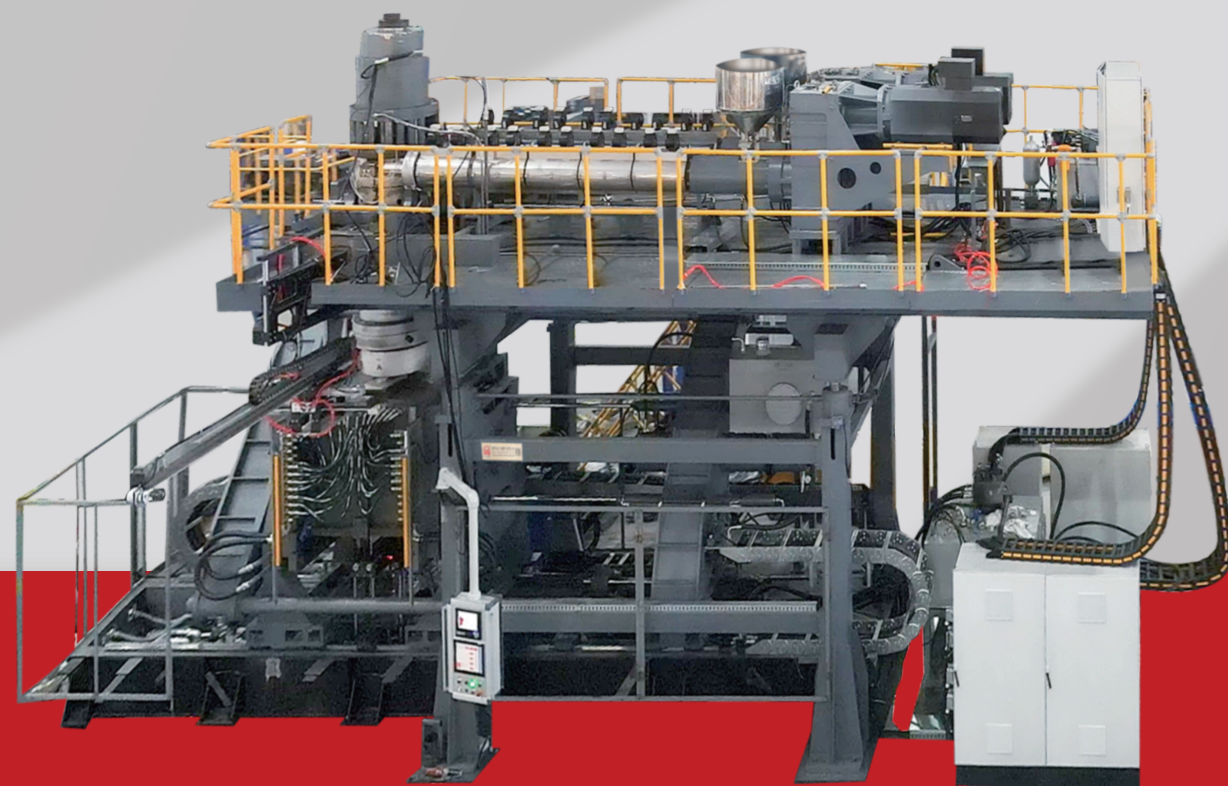
## TDB SERIES - EXTRUSION BLOW MOLDING MACHINE FOR IBC TANK

### 性能和优点

- 三板两拉杆+双油缸设计，快速开合与大吨位锁模兼顾，取件便捷；
- 伺服电机配内啮合齿轮轮/高压叶片双泵，高低压精准匹配，省电高效两全；
- 快速排气，千升级压力2秒内排空，缩短成型周期。

### PERFORMANCE AND ADVANTAGES

- 3-plate dual-tie-bar + dual-cylinder design: Rapid mold action + high-tonnage clamping with easy part removal;
- Servo + gear/vane dual-pump system for precise pressure matching, ensuring efficiency;
- Rapid venting empties 1000cc shots within 2s, boosting overall efficiency.



### TDB-1200A (挤出中空吹塑设备)

#### ACCUMULATOR EXTRUSION BLOW MOLDING MACHINE

# TDBX大型板类系列(1000L-2000L)

## TDBX SERIES- EXTRUSION BLOW MOLDING MACHINES FOR PANEL

[适合生产1000L-2000L的水马、浮筒、托盘等板类塑料中空制品]

[1000L-2000L panel-type hollow products: Water-filled barriers, floats, pallets and more.]



### TDBX-1000A (挤出中空吹塑设备)

#### ACCUMULATOR EXTRUSION BLOW MOLDING MACHINE

### 性能和优点

- 斜拉臂三缸锁模系统，合模速度快，锁模力分布均匀，保障制品稳定；
- 主油泵采用伺服控制，搭配进口优质液压阀，实现动作精度高且节能；
- 采用MOOG壁厚控制3.0，确保制品壁厚均匀性，操控更便捷。

### PERFORMANCE AND ADVANTAGES

- Tie-barless triple-cylinder clamping: Fast closing, uniform force distribution, stable products;
- Servo-driven main pump + premium valves for precise, energy-efficient operation;
- MOOG wall-thickness control 3.0 ensures uniform distribution & intuitive operation.



# TDBS大型储罐类系列(1000L-3000L)

TDBS SERIES- ACCUMULATOR HEAD EXTRUSION BLOW MOLDING MACHINES FOR LARGE TANK

[适合生产1000-3000L水桶、化工桶等储罐类塑料中空制品]

[1000-3000L tank-grade hollow plastic containers: Chemical & water drums and more.]



**TDBS-1000A** (挤出中空吹塑设备)  
ACCUMULATOR  
EXTRUSION BLOW MOLDING MACHINE

#### 性能和优点

- 设备整体性好，机架、模板等刚度高，运行平稳，长久耐用；
- 水桶专用开合模，整体前移设计，保证快速、安全换模，让生产更高效；
- 多层储料模头结构均获专利，分层均匀，焦料排出少。

#### PERFORMANCE AND ADVANTAGES

- Monolithic frame, high rigidity structure. Smooth operation, long service life;
- Bucket-specific mold with forward-shift design ensures rapid and safe mold changing, boosting productivity;
- Multi-layer parison head: Uniform layers, minimal material degradation.

# TDB-PC桶专机

TDB SERIES - EXTRUSION BLOW MOLDING MACHINE FOR POLYCARBONATE (PC) BOTTLES

[适合生产2-5加仑PC材料的中空制品]

[For 2-5 gallon polycarbonate hollow products.]

#### 性能和优点

- 排气、注射一体式螺杆将塑化原料快速推入螺杆头部，解决产品黄变/晶点问题；
- 主油泵采用伺服控制，实现自适应流量调整，节能效果明显；
- 独特的循环吹气系统，有效减少放气时间和噪音。

#### PERFORMANCE AND ADVANTAGES

- Integrated vent/injection screw eliminates yellowing/crystallization defects during high-speed plasticizing;
- Servo-driven main pump with adaptive flow control delivers significant energy savings;
- Recirculating air system cuts exhaust time/noise.



**TDB-25APC** (挤出中空吹塑设备)  
ACCUMULATOR EXTRUSION BLOW MOLDING MACHINE