TDB SERIES · EXTRUSION BLOW MOLDING

TDBX-1500A

Accumulator-head extrusion blow molding for tall hollow panels and large parts, with a 35 L accumulator head, a 1,200 × 1,850 mm mold envelope and 1,200 kN clamping force.

TDBX-1000A shown

The TDBX series is the large-panel range of Tongda's accumulator-head machines; typical products in the 2026 catalogue are plastic pallets, road traffic barriers and large hollow panels. Share your part drawing, wall thickness, weight and resin to size the accumulator, mold and handling.

27 Years of industry experience

100+ Countries and regions served

1,200+ Machines and systems built per year

10,000+ Machines and systems supplied

STATIONS	MAX. VOLUME	CLAMPING FORCE	TOTAL POWER
Single	1,500 L	1,200 kN	308 kW

SPECIFICATIONS

Stations	**Single**
Max. product volume	**1,500 L**
Dry cycle	**100 pc/h**
HDPE output	**450 kg/h**
Accumulator head capacity	**35 L**
Machine weight	**60,000 kg**
Machine dimensions (L × W × H)	**8.6 × 3.3 × 7 m**
Clamping force	**1,200 kN**
Screw diameter	**135 mm**
Total installed power	**308 kW**
Maximum mold size (W × H)	**1200 × 1850 mm**

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1 Overview and key specifications
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2 2026 catalogue specification
catalogue pp. 41–42

REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.
tongdamachinery.com/contact
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The figures reproduce the published configuration of this model. Installed power is connected equipment power, not measured consumption; output depends on product, resin and cycle. Final configuration is confirmed in the quotation.

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www.tongdamachinery.com/product/tdbx-1500a/

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CE

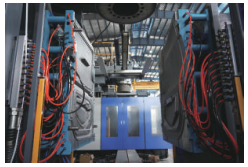
TDBX大型板类系列

TDBX SERIES LARGE-SCALE PANEL BLOW MOLDING MACHINES

TDBX-1000A（挤出中空吹塑设备）

ACCUMULATOR EXTRUSION BLOW MOLDING MACHINE

挤出机的电机
Extruder Drive Motor

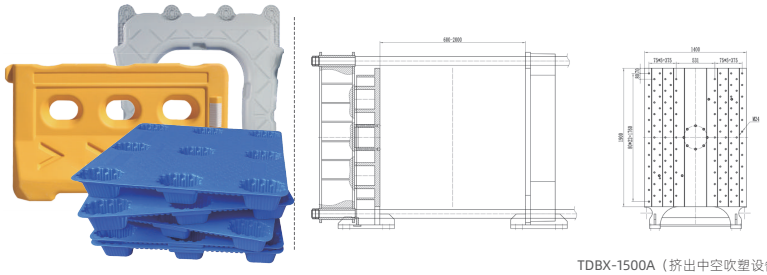


开合模
Mold Clamping Mechanism

塑化系统
Plasticizing System

技术参数 TECHNICAL PARAMETER

项目/ITEM	单位/UNITS	机型/MODEL		
机型 Model		TDBX-1000A	TDBX-1500A	TDBX-2000A
基本参数 Specification				
工位数 Station	/	单Single	单Single	单Single
制品最大容积 Max. Product Volume	L	1000	1500	2000
空循环 Dry Cycle	pc/h	100	100	80
HDPE塑料挤出量 Output of HDPE	kg/h	420	450	550
机器重量 Weight of Machine	T	55	60	70
机器外形尺寸 Size of machine	m,L×W×H	9.8×4.4×7.0	8.6×3.3×7	12×5.4×7.3
模头 Die Head				
最大口模直径 Max. Die Diameter	mm	900	900	1000
模头加热段数 Die Head Heating Zone	/	9	9	12
储料量 Capacity of Accumulator Head	L	35	35	70
模头加热功率 Die Head Heating Power	kW	60	60	70
开合模系统 Clamping Unit				
开合模行程 Platen Distance	mm	700-1900	600-2000	600-2000
锁模力 Clamping Force	kN	1000	1200	2000
挤出系统 Extruder Unit				
螺杆直径 Screw Diameter	mm	135	135	150
螺杆长径比 Screw Length/Diameter Ratio	/	28:1	28:1	30:1
螺杆加热功率 Screw Heating Power	kW	40	40	50
螺杆加热区段 No.of Heating Zone (Screw)	/	5	5	5
螺杆电机功率 Screw Motor Power	kW	160	160	200
动力系统 Power Unit				
油泵电机功率 Hydraulic Pump Driving Power	kW	31.5+5.5+11	31.5+5.5+11	31.5+5.5+11
装机总功率 Total Power	kW	308	308	400
备注 Remarks				
气体用量 Air Consumption	m^3/min	5	5	6
吹气压力 Blow Pressure	MPa	0.8-1.0	0.8-1.0	0.8-1.0
冷却水压力 Cooling Water Pressure	MPa	0.4	0.4	0.4
用水量 Water Consumption	L/min	350	400	450
模具最大尺寸 Max.Size of Mold	mm,W×H	1400×1550	1200×1850	1400x2000
制品及模板图 Product & Formwork Drawing				



TDBX-1500A（挤出中空吹塑设备）

*备注：以上参数仅供参考，可根据客户需求量身定制。
Note: The parameters above are just for reference, which can be designed by your requirements.