

TDB SERIES · EXTRUSION BLOW MOLDING

TDB-250F

Blow molding for 200–220 L single-ring, double-ring and open-top drums, with a single-layer servo configuration for this model.



Tongda designs and manufactures the main machine components and offers project-specific configurations. Share your bottle or part drawing to discuss the mold, head arrangement and handling requirements.

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Years of industry experience

100+

Countries and regions served

1,200+

Machines and systems built per year

10,000+

Machines and systems supplied

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.

STATIONS

Single

MAX. VOLUME

250 L

CLAMPING FORCE

740 kN

TOTAL POWER

289.5 kW

SPECIFICATIONS

Stations	Single
Max. product volume	250 L
Dry cycle	300 pc/h
HDPE output	360 kg/h
Machine weight	35,000 kg
Machine dimensions (L × W × H)	8.2 × 3.2 × 5.5 m
Clamping force	740 kN
Screw diameter	120 mm
Total installed power	289.5 kW
Maximum mold size (W × H)	1100 × 1600 mm

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REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.

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www.tongdamachinery.com/product/tdb-250f/

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TONGDA MACHINERY

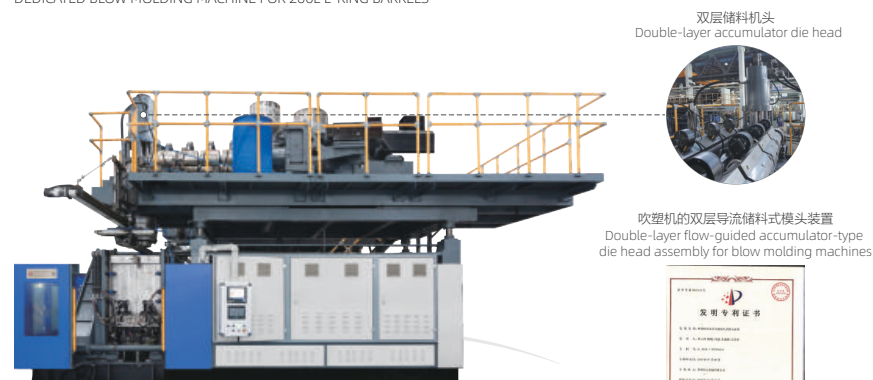
同心合力 一起壮大
GROWING WITH PARTNERS

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CE

200升L环桶专机

DEDICATED BLOW MOLDING MACHINE FOR 200L L-RING BARRELS



双层储料机头
Double-layer accumulator die head



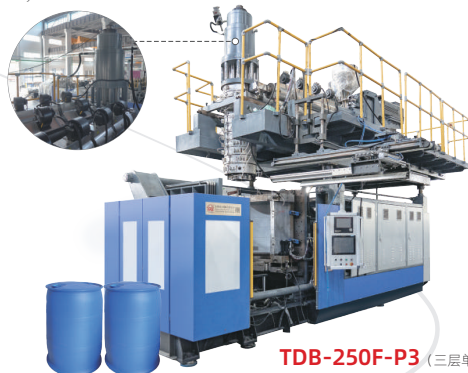
吹塑机的双层导流储料式模头装置
Double-layer flow-guided accumulator-type die head assembly for blow molding machines



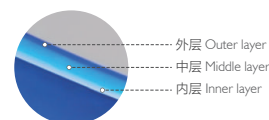
TDB-250F-P (双层单工位)
DOUBLE-LAYER SINGLE-STATION

吹塑机的三层导流储料式模头装置
Triple-layer flow-guided accumulator-type die head assembly for blow molding machines

三层储料机头
Triple-layer accumulator die head

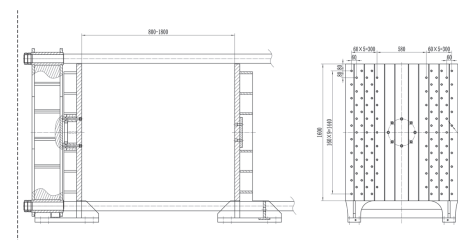


TDB-250F-P3 (三层单工位)
THREE-LAYER SINGLE-STATION



技术参数 TECHNICAL PARAMETER

项目/ITEM	单位/UNITS	机型/MODEL		
		TDB-250F (单层)	TDB-250F-P (双层)	TDB-250F-P3 (三层)
机型 Model		TDB-250F (单层)	TDB-250F-P (双层)	TDB-250F-P3 (三层)
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	250	250	250
空循环 Dry Cycle	pc/h	300	300	300
HDPE塑料挤出量 Output of HDPE	kg/h	360	200×2	110×2+200
机器重量 Weight of Machine	T	35	36	38
机器外形尺寸 Size of Machine	m,LxWxH	8,2×3,2×5,5	8,2×3,2×5,5	8,2×4,3×5,5
模头 Die Head				
最大口模直径 Max. Die Diameter	mm	290	290	290
模头加热段数 Die Head Heating Zone	/	7	8	8
储料量 Capacity of Accumulator Head	L	22	22	22
模头加热功率 Die Head Heating Power	kW	45	53	53
开合模系统 Clamping Unit				
开合模行程 Platen Distance	mm	800-1800	800-1800	800-1800
锁模力 Clamping force	kN	740	740	740
挤出系统 Extruder Unit				
螺杆数目 Screw Number	/	1	2	3
螺杆直径 Screw Diameter	mm	120	90×2	70×2+90×1
螺杆长径比 Screw Length/Diameter Ratio	/	30:1	30:1	30:1
螺杆加热功率 Screw Heating Power	kW	38	26.5×2	14×2+26.5
螺杆加热区段 No. of Heating Zone (Screw)	/	4	4×2	4×3
螺杆电机功率 Screw Motor Power	kW	132	75×2	37×2+75
动力系统 Power Unit				
油泵电机功率 Hydraulic Pump Driving Power	kW	42.5+21+11	42.5+21+11	42.5+21+11
装机总功率 Total Power	kW	289.5	330.5	332
备注 Remarks				
气体用量 Air Consumption	m³/min	2	2	2
吹气压力 Blow Pressure	MPa	0.6	0.6	0.6
冷却水压力 Cooling Water Pressure	MPa	0.3	0.3	0.3
用水量 Water Consumption	L/min	300	300	300
模具最大尺寸 Max. Size of Mold	mm,WxH	1100×1600	1100×1600	1100×1600
制品及模板图 Product & Formwork Drawing				



TDB-250F (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.