

# PET Machine Configuration List

## PET机台配置清单



### 锁模部分 Clamping Part

锁模部分 Clamping Part	TM170II-330II-PET
机铰用铜套 Bronze bush for machine hinge	●
拉杆导套用含油铜套 Oiled bronze bush for tie rod guide bush	●
液压马达齿轮调模 Hydraulic motor gear mold adjustment	●
模具强制复位装置 Mold forced reset device	●
模板码模孔+T槽 Mold hole + T-slot for mold plate	●
成品滑道 Finished product slide	●

### 注射部分 Injection Section

注射部分 Injection Section	TM170II-330II-PET
PET专用螺杆组件 PET special screw assembly	●
下料口温度检测 Temperature detection at the discharge port	●
陶瓷发热圈 Ceramic heating ring	○
红外加热节能系统 Infrared heating energy saving system	○
冷水环增加电磁水阀 Cold water ring increase solenoid water valve	○
射移、射胶用线轨 Line rail for injection transfer and glue injection	●
双射移油缸 Double injection and transfer cylinders	●
全封闭保温罩 Fully enclosed insulation cover	●
射嘴防护罩 Nozzle shield	●
螺杆防冷启动功能 Screw anti-cold start function	●
自动清料功能 Automatic cleaning function	●
熔胶前、后松退可选 Melting glue before and after loosening and retreating optional	●
移位卸料装置 Shift unloading device	●
射嘴及料管多段PID温度控制 Multi-stage PID temperature control for nozzle and material tube	●

### 钣金部分 Sheet Metal Part

钣金部分 Sheet Metal Part	TM170II-330II-PET
更改钣金颜色 Change the color of the sheet metal	○
20进20出运水排 (进 出) 20 in 20 out water transport row (in out)	●
水排配D12快插接头 Water row with D12 quick plug connector	●
其它特别数量水排 Other special number of water rows	○

备注: 标准配置 “●” 和备选配置 “○”  
Remark: Standard “●” Optional “○”

### 液压部分 Hydraulic Section

液压部分 Hydraulic Section	TM170II-330II-PET
抽芯一组 Core extraction group	●
动模板一组吹气 Blowing a group of moving template	●
增加抽芯组数量 Increase the number of core extraction group	○
加装射移单向阀 Adding injection shift one-way valve	●
数控背压 CNC back pressure	●
液压安全锁 Hydraulic safety lock	●
旁路滤油器装置 Bypass oil filter device	●
PET专用冷却器 PET special cooler	●
调模刹车液压马达 Hydraulic motor for mold adjusting brake	○

### 电气部分 Electrical Section

电气部分 Electrical Section	TM170II-330II-PET
三色报警灯 Three color alarm light	●
一组2+3 220V/10A插座 One group of 2+3 220V/10A sockets	●
二组三相32A插座 Two groups of three-phase 32A socket	●
模具返回确认 Mold return confirmation	●
射嘴独立控制 Nozzle independent control	●
加热用固态继电器 Solid state relay for heating	●
配12吋显示屏 With 12" display	●
油温过高报警 High oil temperature alarm	●
料管加热强制保护 Forced protection for tube heating	●
多种操作语言 Multiple operating languages	●
急停开关保护 Emergency stop switch protection	●
质量数据过程控制界面 Quality data process control interface	●
生产统计过程控制 (SPC) 实时列表界面 Production Statistical Process Control (SPC) real-time list interface	●

### 其它配置 Other Configurations

其它配置 Other Configurations	TM170II-330II-PET
说明书 Instruction manual	●
避震脚 Shock feet	●
工具箱及工具一套 Toolbox and tools set	●
弓形码模夹 Bow yard mold clip	●

# TMII-PET系列注塑机

TMII-PET series injection molding machine



广东拓斯达科技股份有限公司

GUANGDONG TOPSTAR TECHNOLOGY CO.,LTD.

地址: 广东省东莞市大岭山镇大塘朗创新路2号

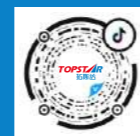
电话: 0769-8305 0999 传真: 0769-8584 5562

邮箱: marketing@topstarltd.com

网址: www.topstarltd.com 全国统一客服热线: 400-096-8005



拓斯达科技 公众号



拓斯达科技官方 抖音号



拓斯达 小程序

股票代码 Stock Code 300607

# TMII-PET Series Injection Molding Machine

TMII-PET系列注塑机

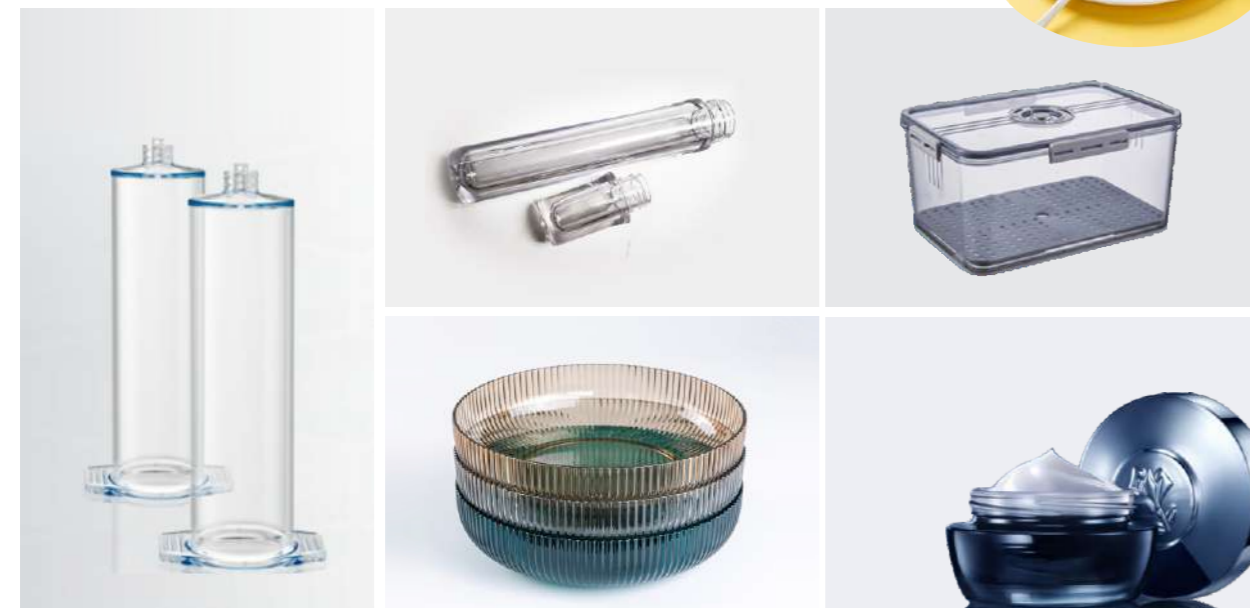


**1高刚性** High Rigidity    **2高效率** High Efficiency    **3节能** Energy-saving    **4配套方案** Matching Scheme

## 方案亮点 / Scheme Highlights

- PET专用螺杆组件，塑化效率提升，比常规机器提升20%以上；  
PET special screw assembly, plasticizing efficiency is enhanced, more than 20% higher than conventional machines.
- 机架高刚性加强，更适合高效率成型，高精度成型。  
High steel reinforcement of machine frame, more suitable for high efficiency molding and high precision molding.

PET原料  
PET raw materials



# Equipment Features

设备特点

PET是如今应用最为广泛的包装材料之一，广泛用于碳酸饮料、瓶装水、调味品、化妆品、白酒、干果糖果等产品的包装。PET注塑机有以下几个方面的特点：

PET is one of the most widely used packaging materials today and is widely used for carbonated beverages, bottled water, spices, cosmetics, liquor, dried fruits and candies, etc. PET injection molding machine has the following characteristics.

**1** 模板强度升级，更好保证产品精度；  
Template strength upgrade to better ensure product accuracy.



**2** 机架针对性防油污设计，整机尺寸更紧凑，更适合洁净车间；  
Targeted oil-proof design of the machine frame, more compact size of the whole machine, more suitable for clean workshop.



**3** PET专用螺杆组件，塑化质量好，效率高。可降低塑化温度与AA值，有效改善制品的收缩，提高透明度；  
PET special screw assembly, good plasticizing quality and high efficiency. Can reduce the plasticizing temperature and AA value, effectively improve the shrinkage of products and improve transparency.



**4** 特别加大型液压马达，扭矩大，低速平稳性好；  
Specially enlarged hydraulic motor with high torque and good smoothness at low speed.



**5** 特别加大顶出力及顶针行程，更好满足PET产品脱模要求。  
Specially increase the ejecting force and ejector stroke to better meet the requirements of PET product demoulding.



# Product Parameters

## 产品参数

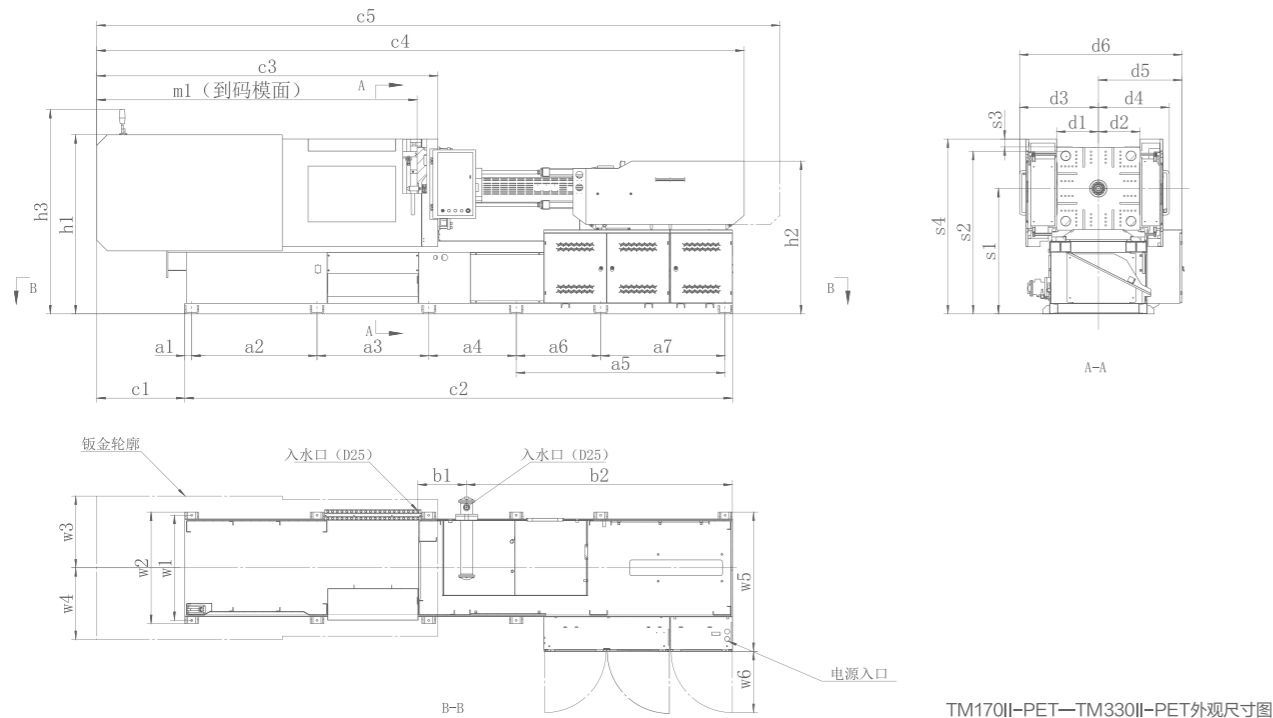
注射部份	INJECTION UNIT	UNITS	TM170II-PET			TM220II-PET			TM260II-PET			TM330II-PET		
螺杆直径	Screw Diameter	mm	45	50	55	55	60	65	65	70	75	70	75	80
螺杆长径比	Screw L/D Ratio	L/D	26	26	24	26	26	24	26	26	24	26	26	24
螺杆行程	Screw Stroke	mm	210	210	210	240	240	240	280	280	280	320	320	320
注射容积	Shot Volume	cm <sup>3</sup>	334	412	499	570	679	796	929	1078	1237	1232	1414	1608
注射重量(PET 1.17)	Shot Weight(pet 1.17)	g	391	482	584	667	794	932	1087	1261	1447	1441	1654	1882
		oz	13.8	17.0	20.5	23.5	27.9	32.8	38.3	44.4	50.9	50.7	58.2	66.2
注射压力	Injection Pressure	kgf/cm <sup>2</sup>	2299	1862	1539	1865	1567	1335	1864	1607	1400	1798	1566	1376
注射速率	Injection Rate	cm <sup>3</sup> /s	159	196	238	238	283	332	332	385	442	385	442	503
注射速度	Injection Rate	mm/s	100	100	100	100	100	100	100	100	100	100	100	100
螺杆转速	Screw Speed	rpm		155			160			140			155	
射咀推力	Nozzle Contact Force	t		6.2			6.2			9.1			9.1	
锁模部份	CLAMPING UNIT	UNITS	TM170II-PET			TM220II-PET			TM260II-PET			TM330II-PET		
锁模力	Clamping Force	t	170			220			260			330		
开模行程	Opening Stroke	mm	430			490			560			660		
导柱内距(水平×垂直)	Space Between Tie Bars(H×V)	mm	470 x 470			530 x 530			580 x 580			680 x 680		
容模量 (最薄-最厚)	Mould Thickness (Min)	mm	160			180			190			225		
	Mould Thickness (Max)	mm	540			560			600			700		
模板最大距离	Max. Daylight	mm	970			1050			1160			1360		
顶出推力	Ejector Force	t	6.7			9.9			9.9			11		
顶出行程	Ejector Stroke	mm	140			160			160			180		
电力/电热	POWER/HEATING UNIT	UNITS	TM170II-PET			TM220II-PET			TM260II-PET			TM330II-PET		
系统压力	System Pressure	kgf/cm <sup>2</sup>	175			175			175			175		
油泵电机功率	Pump Power	kw	22			26			34			45		
电热量	Heating Power	kw	17.8			23.1			29.0			32.2		
温度控制段数	Number of Temp Control Zones		4+1			5+1			6+1			6+1		
其它	OTHERS	UNITS	TM170II-PET			TM220II-PET			TM260II-PET			TM330II-PET		
机器尺寸(长×宽×高)	Machine Dimensions(LxWxH)	m	5.93 x 1.38 x 1.6			6.48 x 1.54 x 1.7			7.33 x 1.6 x 1.8			8.02 x 1.86 x 1.92		
油箱容积	Oil Tank Capacity	L	250			300			400			500		
模板正面尺寸	Platen dimensions													

由于技术不断发展、设计的改进及更新，以上规格如有更改，恕不另行通知。

Due to the continuous development of technology, improvement and update of design, the above specifications are subject to change without prior notice.

# Product Specification

## 产品规格



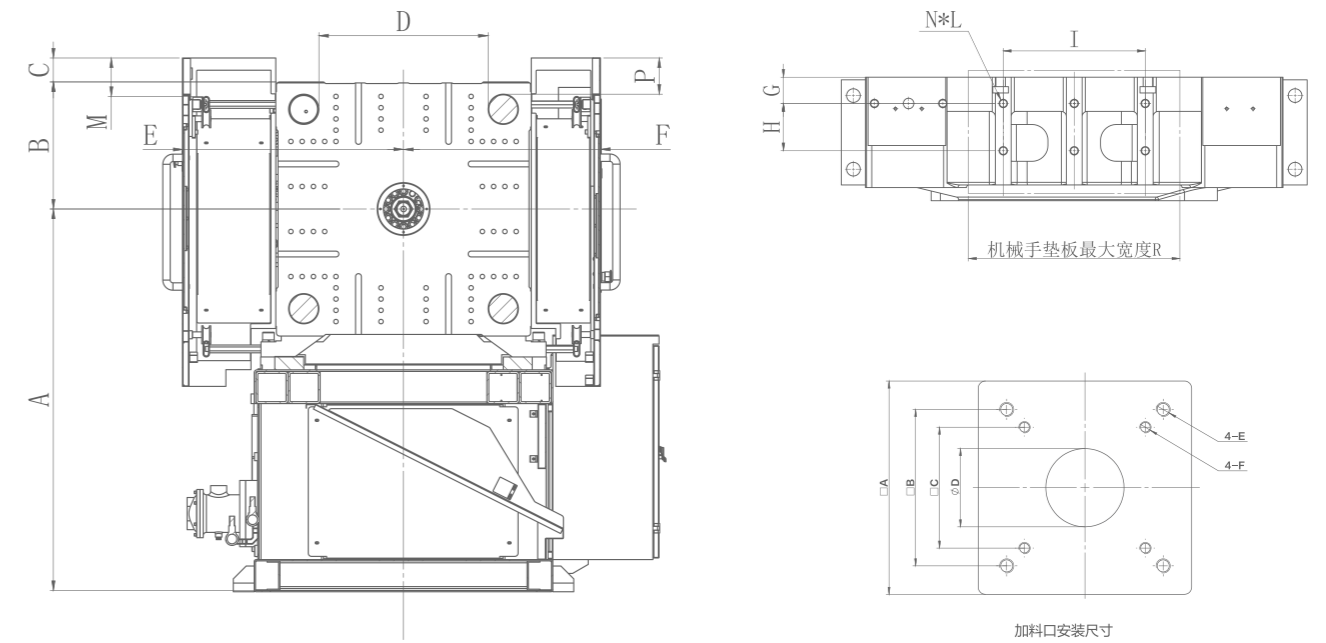
TM170II-PET—TM330II-PET外观尺寸图  
TM170II-PET—TM330II-PET Appearance size chart

### 外观尺寸 / Appearance size

机型 Model	TM170II-PET	TM220II-PET	TM260II-PET	TM330II-PET	机型 Model	TM170II-PET	TM220II-PET	TM260II-PET	TM330II-PET
a1	80	65	65	110	h1	1613	1700	1800	1916
a2	997	1190	1260	1470	h2	1390	1450	1571	1640
a3	1013	1060	1140	1250	h3	1853	1941	2041	2157
a4	1432	830	1030	1145	w1	870	998	1058	1210
a5	1085	—	—	—	w2	930	1058	1118	1290
a6	—	802	1134	1200	w3	590	681	753	831
a7	—	1180	1180	1200	w4	555	681	679	788
b1	373	462	1507	1650	w5	1195	1323	1313	1640
b2	2316	2521	2995	2377	w6	590	590	695	590
c1	775	935	887	1027	s1	1145	1190	1250	1305
c2	4697	5197	5879	6470	s2	1455	1545	1637	1757
c3	2916	3237	3438	3868	s3	78	75	80	78
c4	5581	6143	6876	7567	s4	1565	1660	1760	1882
c5	5921	6483	7326	8017	m1	2743	3042	3242	3709
d1	347	395	430	509					
d2	347	395	430	495					
d3	652	748	783	866					
d4	617	673	708	802					
d5	730	794	824	995					
d6	1382	1542	1607	1861					

# Installation Dimensions

## 产品安装尺寸



### 机械手安装接口尺寸 / Robot assemble connecting size

机型 Model	TM170II-PET	TM220II-PET	TM260II-PET	TM330II-PET
A	1145	1190	1250	1305
B	342	397	427	497
C	78	74.5	79.5	78
D	470	530	580	680
E	590	687	722	804
F	555	612	647	751
G	50	50	70	70
H	90	90	90	160
I	270	270	270	420
L	M16	M16	M16	M20
M	110	117	116.5	150
N	6	6	6	6
P	105	111.5	121.5	125
R	390	440	480	580

### 机械手安装接口尺寸 (注: A尺寸不含避震脚) / Manipulator mounting interface size (Note: A size does not include shock feet)

机型 Model	TM170II-PET	TM220II-PET	TM260II-PET	TM330II-PET
A	150	150	160	160
B	110	110	110	110
C	85	85	—	—
D	55	55	75	75
E	M10	M10	M10	M10
F	M8	M8	—	—

由于技术不断发展、设计的改进及更新，以上规格如有更改，恕不另行通知。  
Due to the continuous development of technology, improvement and update of design, the above specifications are subject to change without prior notice.