

中国好装备 世界机博士

Excellent Machine of China
and JBoss of the World

TP Series

机博士TP系列高效能注塑机
HIGH-EFFICIENCY INJECTION
MOLDING MACHINE



JBoss 机博士

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Authorized Sales Service Provider



JBoss 机博士



关于机博士

机博士机器（宁波）有限公司是一家专业生产塑料注射成型机的高科技企业，汇集了全球注塑领域尖端技术人才，核心研发、生产、销售人员均为二十年以上经验的资深行业专家，设计理念与欧洲名厂同步并对标，针对用户需求研发、生产、销售高端高效能注塑机。

本公司生产的高端高效能注塑机致力于为用户提高产能，提升产品合格率，降低能耗，降低生产成本，机器结构简洁、可靠耐用、维护方便，更能适应自动化生产的需求；液压、电器及控制系统均采用世界知名品牌，机器结构采用模块化理念设计生产，更能灵活应对用户的特殊应用。

公司拥有一个专业的产品应用团队，可以针对用户产品量身定制恰到好处的成型方案，为用户创造更大价值。

我公司已在各省市设立办事处，产品远销欧美、中东、东南亚等国家和地区。机博士推出的注塑机广泛应用于 3C 电子、包装、汽车、家电、物流、建材等行业，获得了客户的一致好评，拥有大批长期重复购买的忠实客户。公司在提供可靠产品的同时，备品备件准备充分，第一时间为用户提供完善的售后服务。

About JBOSS

JBoss Machine (Ningbo) Co., Ltd is a high-tech company of injection molding machines. It brings together top engineers from China and Europe. All of the staffs of R&D, manufacturing and sales are industry experts with more than 20 years of experience. The design is directly synchronized and benchmarked with famous European factories. High-level high-efficiency injection molding machines meeting user's needs.

The injection molding machine produced by Jboss is committed to increasing productivity, improving product quality, reducing energy consumption, and reducing production costs. The biggest feature of the machine is high stability, high durability, simple structure, reliability, and easy maintenance. Convenient and more adaptable to the requirements of automated production; hydraulics, electrical appliances and control systems are all world-famous brands, and the machine structure is designed with a modular concept, which can more flexibly respond to users' special applications.

JBoss has a professional product application team, which can supply the best molding solution for users' products and create greater value for users.

JBoss has set up offices in various provinces and cities, and the injection molding machines are exported to Europe, America, the Middle East, Southeast Asia and other countries. The JBoss machines are widely used in 3C electronics, medical care, packaging, automobiles, home appliances, logistics, building materials and other industries. It has won high praise from customers, and has a large number of loyal customers who repeat purchases for a long time. While providing reliable machines, the company is preparing enough spare parts, and providing users with perfect after-sales service.



企业使命 Enterprise Mission

让我们的装备为用户创造更大价值！
Creating greater values for customers
by our machine!



企业愿景 Enterprise Vision

成为优秀的装备制造企业。
Becoming an outstanding
machine company.



企业宗旨 Enterprise Objective

以客户为中心，以奋斗者为本。
Customer-focused, and Striver-
oriented.



企业价值观 Enterprise Values

诚信、勤奋、负责、自省。
Integrity, diligence, responsibility,
and self-examination.



销售网点/GLOBAL NETWORK

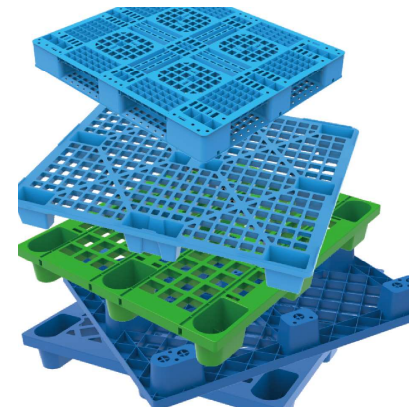
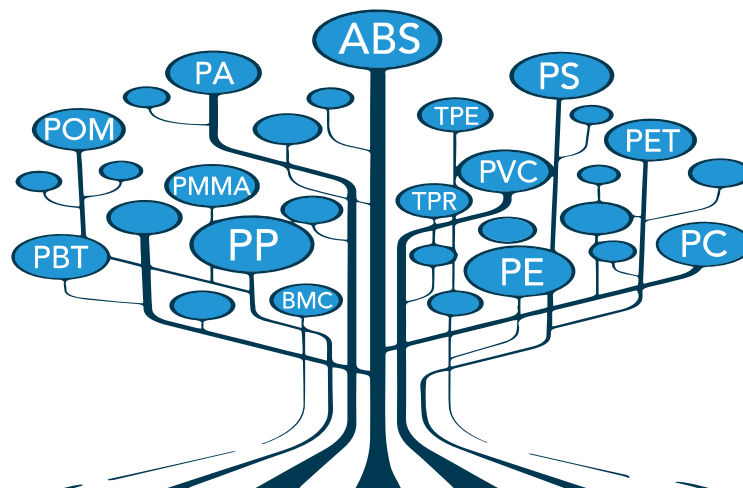
CLOSE PROXIMITY TO CUSTOMERS.





应用种类/ APPLICATION VARIETY

FLEXIBILITY IS THE KEY TO THE FUTURE.



TP 系列/TP SERIES

THE ECONOMIC SOLUTION WITH CLAMPING FORCES 6500 TO 40000 KN.

6500
TO
40000
KN

30+
EXPERIENCE
years

300+
PRODUCTION
Personnel

SUPER
PLATEN
TOTAL
SOLUTIONS



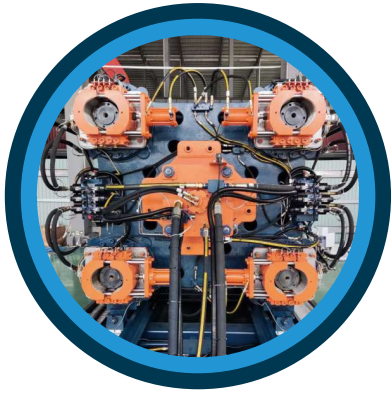
SINCE
1989
year

POSITION
within
0.01
mm

ANNUAL
OUTPUT
200+
set

80+
SERVICE
COUNTRIES
& regions

锁模单元/CLAMPING UNIT

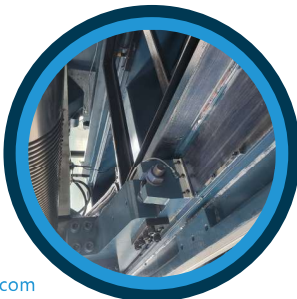


四个出力平均的锁模油缸
减少产品收缩变形

Four clamping cylinders with average output to reduce product shrinkage and deformation.

内柱空间大、开模行程长
适合生产各种大或深的产品

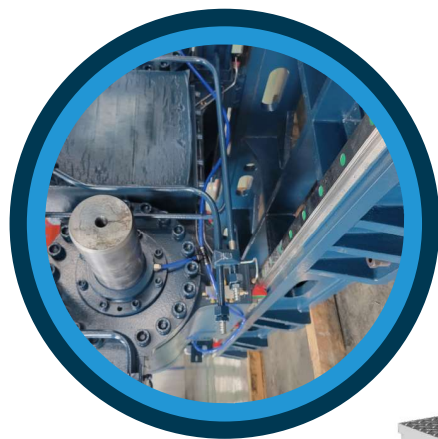
Large space between tie bar & long distance of opening stroke, which is especially good for products with big or deep size.



滑脚的设计，
动作稳定且方便维修调整

Sliding foot design, stable action,
and easy maintenance and adjustment.

注射单元/INJECTION UNIT

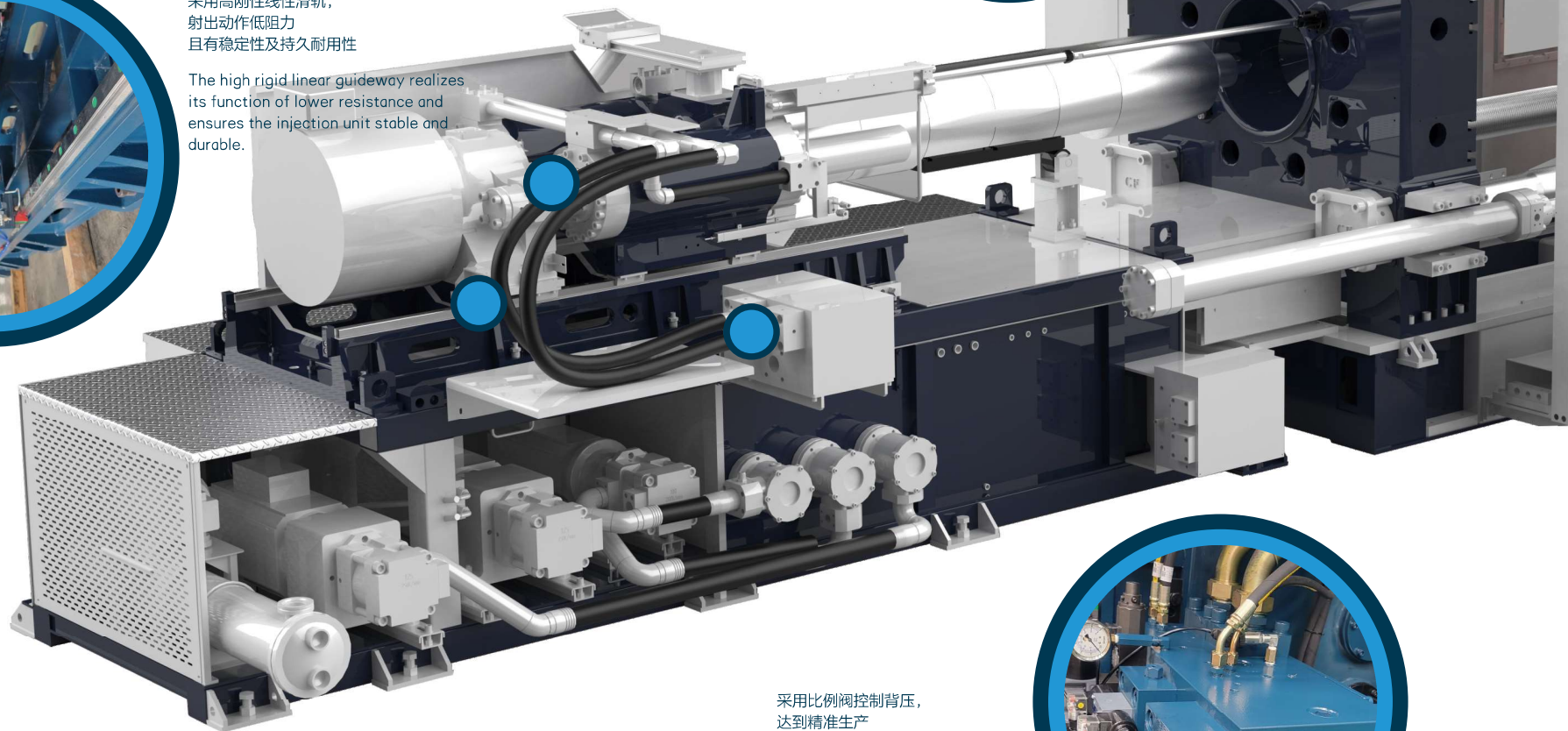


采用高刚性线性滑轨，
射出动作低阻力
且有稳定性及持久耐用性

The high rigid linear guideway realizes
its function of lower resistance and
ensures the injection unit stable and
durable.

射出采用双油缸平行注射，
射出稳定、定位精准

The injection unit is stable
and accurate by applying double
cylinders.



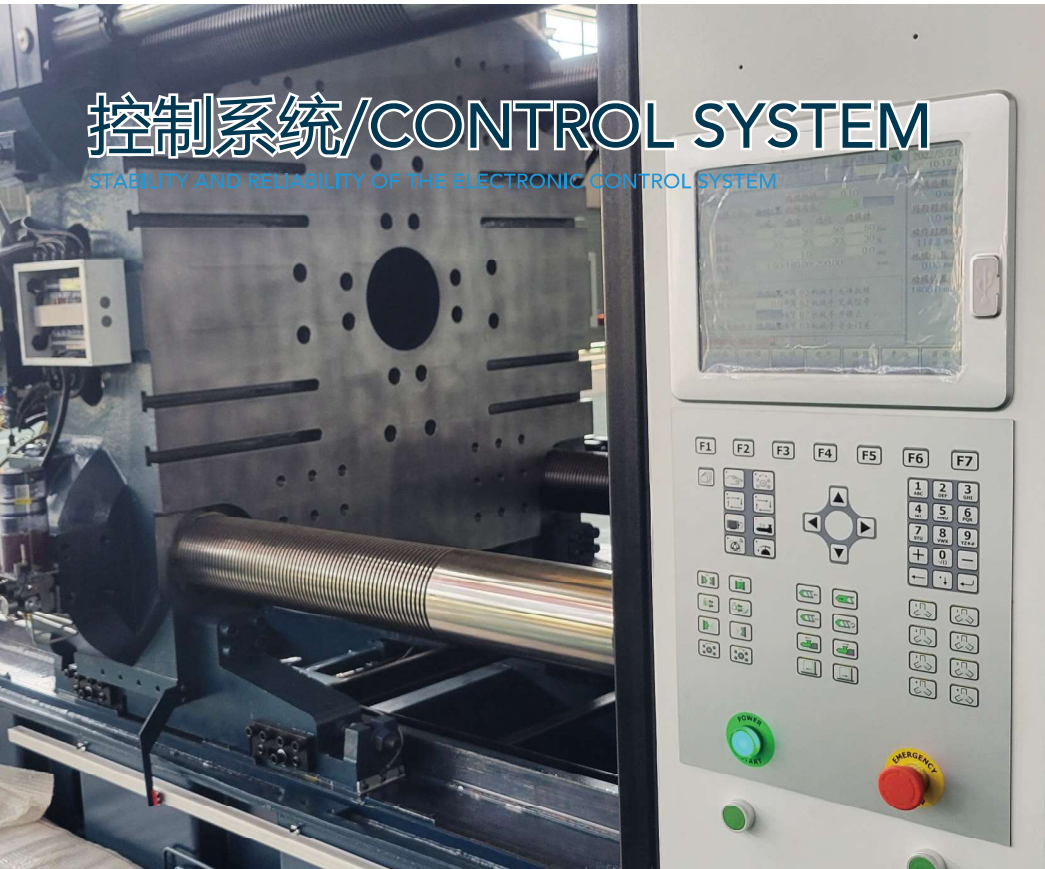
采用比例阀控制背压，
达到精准生产

Proportional valve controls the
back pressure for highly precise
production.



控制系统/CONTROL SYSTEM

STABILITY AND RELIABILITY OF THE ELECTRONIC CONTROL SYSTEM



特点/FEATURES

1. 操作简单易学
Easy to operate.
2. 功能显示明确
Clear function on panel.
3. 质量稳定可靠
Stable and reliable quality.
4. 可联网远程监控
Networking and monitoring.



液压系统/HYDRAULIC SYSTEM

STABILITY AND RELIABILITY OF THE HYDRAULIC SYSTEM

特点/FEATURES

1. 快速稳定的自动调模
Quick and stable mould height adjustment.
2. 采用伺服电机，依产品不同对比传统定量泵省电30%~70%
Different from traditional proportional pump, our machine can save 30%~70% power by applying servo system, subject to different kinds of products.
3. 液压系统采逻辑阀设计，反应更灵敏，大流量通过油温不易升高
Responding fast by the design of logical valve, large flow through the block, oil temperature is not easy to rise.
4. 油管安装防暴链，符合欧规安全规范
Oil hose installation riot chain, in line with European regulations.
5. 容易维修保养
Convenient for repairing and maintenance.

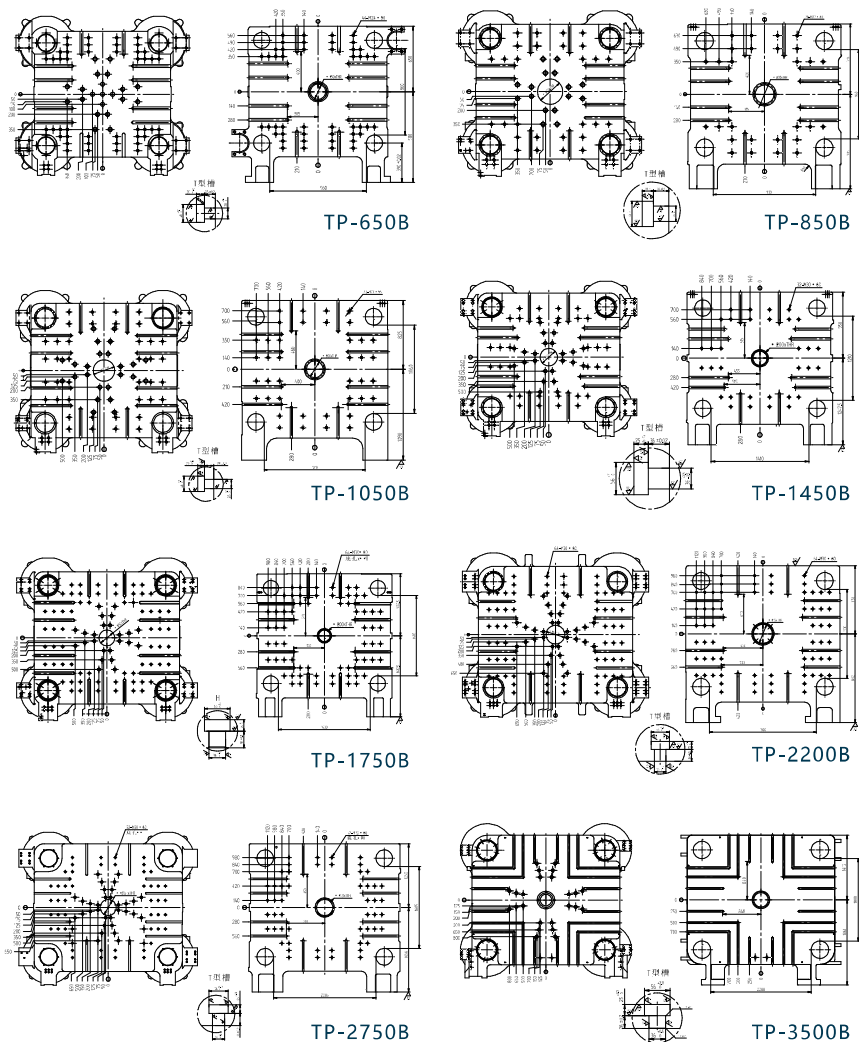


技术参数/TECHNICAL PARAMETERS

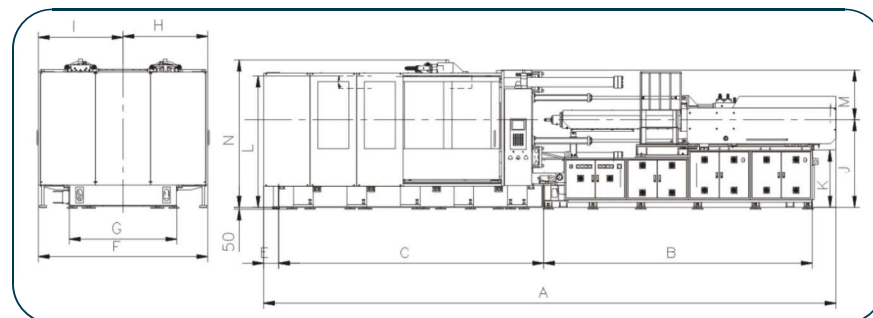
说明/NOTE		机种/MODEL	单位	TP-650B			TP-850B			TP-1050B			TP-1450B			TP-1750B			TP-2200B			TP-2750B			TP-3500B			TP-4000B		
Injection Unit 射出单元			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
	螺杆直径/Screw Diameter	mm	80	85	90	90	100	110	100	110	120	110	120	130	130	140	150	140	150	160	140	150	160	160	170	180	200	220	240	
	射料压力/Injection Pressure	kg/cm²	2231	1976	1762	2283	1849	1528	2290	1893	1590	2149	1806	1539	1738	1498	1305	1942	1692	1487	1942	1692	1487	2279	2018	1800	2098	1734	1460	
	理论射出容积/Theoretical Shot Volume	cm³	2312	2610	2926	3180	3927	4751	4712	5701	6785	5702	6786	7963	9954	11545	13253	12315	14137	16084	16001	18369	20900	21714	24513	27482	37070	44855	53381	
	射出量(PS)/Shot Weight of Injection	g	2080	2349	2633	2863	3534	4376	4241	5131	6107	5132	6107	7167	8959	10390	11928	11083	12723	14476	14401	16532	18809	19543	22062	24734	33734	40818	48576	
		oz	73	83	93	101	125	151	149	181	215	181	216	254	316	367	421	391	449	511	509	584	665	690	779	875	1190	1439	1713	
	射出率/Injection Rate	cm³/s	584	629	739	643	793	960	796	963	1147	985	1173	1377	1219	1414	1623	1442	1655	1883	1458	1674	1904	1777	2006	2250	2026	2452	2918	
	塑化能力/Plasticizing Capacity	kg/hr	221	371	305	300	390	380	300	356	401	356	401	518	518	666	815	666	815	999	666	815	999	999	1200	1450	350	430	560	
	射出速度/Injection Speed	mm/s	105			101			101			104			99			94			94			88			64			
	螺杆转速/Screw Speed	rpm	135			115			115			100			100			80			80			80			50			
Clamping Unit 锁模单元	锁模力/Mold Clamping Force	Ton	650			850			1050			1450			1750			2200			2750			3500			4000			
	大柱内距/Distance Between Tie Bars	mm	960x860			1100x960			1210x1060			1410x1210			1600x1400			1800x1500			2000x1600			2200x1800			2420x2020			
	模板尺寸/Mold Platen Size	mm	1300x1250			1550x1500			1760x1760			2000x1800			2300x2100			2600x2300			2900x2500			3200x2800			3350x2950			
	最大最小模厚/Mould height min/max	mm	400-900			500-1100			600-1300			650-1400			700-1500			900-1700			900-1900			1000-2100			1000-2100			
	最大开模距离/Mould Max. opening stoke	mm	1800			2300			2800			3000			3200			3400			3600			3800			4500			
	定位环尺寸/Mold Locating Ring	mm	150			150			150			150			150			150			315			315			315			
	顶出行程/Ejector Stroke	mm	220			300			300			350			350			400			400			400			550			
	顶出力/Ejector Force	Ton	12			17			20			20			20			40			40			40			68			
Electric Unit 电气单元	温控数/Number of Temp Control Zone	zone	7			7			7			7			7			7			7			8			8			
	马达功率/Motor Power	kw	41x2			41x1+57x1			41x3			41x2+57x1			41x1+57x2			23x1+57x3			23x1+57x3			57x5			48x6			
	电热容量/Heater Capacity	kw	28			45			45			60			75			90			90			105			240			
	系统压力/System Pressure	kg/cm²	170			170			170			170			170			170			170			170			170			
Other 其它	油箱容量/Oil Tank Capacity	L	800			1000			1300			2000			2000			2600			2600			3000			4000			
	机械尺寸/Machine Dimension (LxWxH)	m	7.5x2.4x2.3			8.6x2.7x2.5			10*3.0*2.62			11*3.3*2.85			12*3.7*3.15			13.55*4.08*3.4			15*4.45*3.7			17*4.8*4.0			21*5.6*5.6			
	机械净重/Machine Weight(about)	Ton	24			32			40			60			80			105			135			180			255			
			414E			518E			644E			748E			806E			989E			989E			1440E			1500E			

注：本表的数据因不断地改良而变更（不另行通知）
Note: Due to continuous improvements, we reserves the right to modify technical parameters timely without notice.

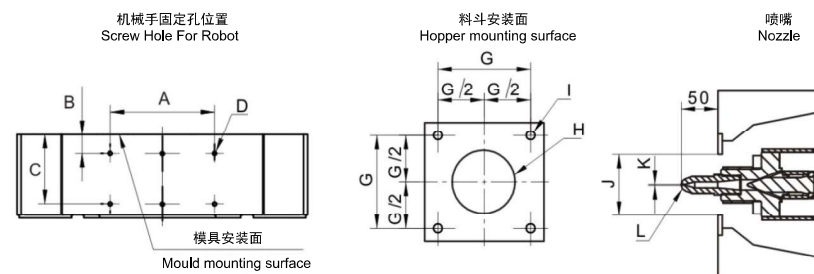
模面尺寸图/MOLD SURFACE DIMENSION



外观尺寸图/MACHINE DIMENSION



型号/Type	A	B	C	D	E	F	G	H	I	J	K	L	N	M
TP-650B	7760	3640	3465	2900	250	2160	1450	1080	1080	1345	790	1935	2200	650
TP-850B	8950	4070	4150	3540	330	2830	1630	1415	1415	1464	896	2129	2372	755
TP-1050B	9710	4025	4650	3990	615	2960	1755	1480	1480	1539	970	2270	2550	880
TP-1450B	11080	5200	5130	4315	290	3280	2080	1640	1640	1700	1000	2540	2840	950
TP-1750B	11540	5210	5505	4630	410	3500	2310	1750	1750	1860	950	2830	3180	1080
TP-2200B	13240	6340	6030	5035	350	4080	2600	2040	2040	1960	1190	2990	3400	1150
TP-2750B	13560	6340	6410	5360	450	2820	2820	2250	2250	2130	1190	3280	3630	1250
TP-3500B	16000	7000	8000	6300	550	4800	3100	2400	2400	2200	1290	3580	4000	1400



型号/Type	A	B	C	D	G	H	I	J	K	L
TP-650B	500	90	240	4-M20	150	Φ 100	4-M16	Φ 150	Φ5	SR15
TP-850B	500	90	240	6-M20	150	Φ 100	4-M16	Φ 150	Φ5	SR15
TP-1050B	550	100	240	6-M20	150	Φ 100	4-M16	Φ 150	Φ5	SR15
TP-1450B	550	100	240	6-M20	150	Φ 100	4-M16	Φ 150	Φ6	SR15
TP-1750B	920	100	360	6-M24	150	Φ 100	4-M16	Φ 150	Φ6	SR15
TP-2200B	920	100	360	6-M24	200	Φ 160	4-M16	Φ 150	Φ6	SR15
TP-2750B	920	100	360	6-M24	200	Φ 160	4-M16	Φ 315	Φ6	SR15
TP-3500B	920	100	360	6-M24	200	Φ 160	4-M16	Φ 315	Φ6	SR15

注：本表的数据因不断地改良而变更（不另行通知）
Note: due to continuous improvement the data in this table are subject to change without prior notice.

机械配置/FUNCTION LIST

注射单元 / Injection Unit		
功能描述 / Function Description	标配/● Standard	选配/○ Option
标准螺杆 / Standard screw	●	
双缸平衡注射结构 / Double balance cylinder by injection structure	●	
螺杆转速显示 / Display screw rotation speed	●	
油压储料马达 / Plasticizing by hydraulic motor	●	
储料背压比例控制 / Backpressure by proportional valve	●	
射压曲线显示 / Display injection pressure curve	●	
料管支撑架 / Barrel supporting device	●	
下料口温度监测 / Feed zone temperature monitoring		○
喷嘴防护罩 / Purger guard		○
上料平台 / Material-putting platform		○
座台集中润滑装置 / Centralized lubrication		○
陶瓷加热圈 / Ceramic heater		○
红外线加热圈 / Infrared heating ring		○
气体辅助注射接口 / Gas assisted injection interface		○
干燥料斗 / Hopper		○
不锈钢料斗 / Stainless steel hopper		○
加长喷嘴 / Extended nozzle		○
封闭式喷嘴装置 / Needle shut-off nozzle		○
直驱伺服马达储料装置 / Plasticizing by servo motor		○
齿轮箱+伺服马达储料装置 / Plasticizing by servo motor and gear box		○
锁模单元 / Clamping Unit		
功能描述 / Function Description	标配/● Standard	选配/○ Option
T型槽模板 / T-slot template	●	
模动缸锁模装置 / Intractive clamping device	●	
油压电器保护装置 / Hydraulic & electric interlock device	●	
油压安全保护 / Hydraulic safety protection	●	
自动调模功能 / Automatic adjustment of mould height	●	
开关模、脱模电子尺控制 / Mold open & close and ejector transducer control	●	
定量式自动集中润滑系统 / Automatic centralized lubrication of quantitative	●	
可调节式模板支撑装置 / Adjustable sliding feet	●	
高硬度轨道板 / High rigidity rail board	●	
自动安全门 / Automatic safety door	●	
一组分水器 / One set manifold	●	
抽芯（中子）2组动模板 / 2 sets of core pulling on moving platen	●	
机台内安全踏板装置 / Safety pedal device	●	
螺丝孔模板 / Screw hole template		○
欧规模具安装模板 / European standard template		○
大柱抽离装置 / Tie bar puller system		○
透视型分水器 / Perspective manifold		○
快插头分水器 / Quick coupling manifold		○
吹气阀 / Air valve		○
热浇道顺序阀 / Sequence vavle		○
开模顶出同步 / Mold Opening and ejection synchronization		○
开模储料同步 / Mold Opening and charging synchronization		○
机架加高 / Highten frame		○
开模行程加长 / Increase mold opening stoke		○
减少量小模厚 / Decrease mold closing stoke		○
取物平台 / Pick up platform device		○
液压单元 / Hydraulic Unit		
功能描述 / Function Description	标配/● Standard	选配/○ Option

伺服油泵 / Servo motor system	●	
吸油口锁闭装置 / Oil suction locked device	●	
加大油泵电机功率 / Increase pump motor capacity		○
续能器快速注射 / Accumulator rapid injection		○
注射伺服阀 / Inject servo Valve		○
油位警报 / Oil level alarm		○
冷水阀 / Cold water valve		○
电气单元 / Electric Unit		
功能描述 / Function Description	标配/● Standard	选配/○ Option
缔洲控制器 / DIHZHOU controller	●	
各动作工况实时监控功能 / Real time working condition monitor	●	
生产数据监测功能 / Monitoring for production data	●	
故障报警显示功能 / Automatic shows error	●	
注射压力转保压功能 / Injection pressure transfer holding function	●	
I/O监视显示 / I/O monitoring display	●	
三色警报灯 / Three-color warning light	●	
电机过载保护 / Servo motor overload protection	●	
前后门紧急停止按钮 / Emergency stop button or safety door	●	
380V/16A五芯插座2组 / 380V/16A 5-core power socket 2 sets	●	
220V/10A三芯插座1组 / 220V/16A 3-core power socket 1 set	●	
加热双重保护 / Cold start protection	●	
加热固态继电器控制 / Heating solid relay control	●	
实时锁模力监测 / Real time mold clamping force monitor	●	
计算机网络集中控制系统 / Computer network central control system	●	
KEBA控制器 / KEBA controller		○
380V/32A五芯插座 / 380V/32A 5-core power socket		○
380V/16A五芯插座 / 380V/16A 5-core power socket		○
220V/10A三芯插座 / 220V/16A 3-core power socket		○
伺服动力系统变压器 / Servo power system transformer		○
欧规12机械手接口 / Euromap 12 manipulator interface		○
欧规67机械手接口 / Euromap 67 manipulator interface		○
热流道控制系统与接口 / Hot runner control and interface		○
光栅保护装置 / Protective light grid device		○
安全继电器装置 / Safety relay monitoring		○
其他 / Others		
功能描述 / Function Description	标配/● Standard	选配/○ Option
机器标准颜色 / Standard color	●	
防震机床垫脚 / Adjustable leveling pad	●	
说明书、模具压板、标准随车配件 / Manual book、Clamping bar、Standard spare parts	●	
液压夹模装置 / Quick mould change system		○
地脚螺栓 / Anchor bolt		○
特殊颜色 / Special color		○
机械手 / Robot		○
磁力架 / Hopper magnet		○
冷水机 / Chiller		○
模温机 / Mold temperature controller		○
除湿机 / Dehumidifier		○
自动上料机 / Auto-loader		○
粉碎机 / Crusher		○
搅拌机 / Blender		○
干燥机 / Dryer		○

注：本表的数据因不断地改良而变更（不另行通知）
Note: due to continuous improvement the data in this table are subject to change without prior notice.