专业打造塑包行业智慧工厂

BUILDING SMART FACTORY IN PLASTIC PACKAGING INDUSTRY

CE TÜV SÜD Approved

iTP新型伺服节能二板式注塑机

iTP TWO-PLATEN SERVO ENERGY SAVING INJECTION MACHINE

DEMARK

机型特点
MODEL FEATURE

国内最快的干周期，iTP800干周期：4.1秒
The fastest dry cycle in the country,iTP800 dry cycle: 4.1s

CLAMPING UNIT
锁模单元

01 伺服液压系统
SERVO HYDRAULIC SYSTEM

欧洲进口伺服马达与油泵的双重配合，使得在能耗和效率上从一开始就领先。

The Europen servo motor and pump makes Demark machine gain the advantage of energy comsumption and production efficiencyin the very beginning among competitive market.

02 动板线性导轨
MOVING PLATEN ON THE LINER GUIDER

动板运行于线性导轨之上，获得更小的摩擦力，更好的平行度和更快的产品周期。

Less friction, better parallelism and faster cycle time all benefit from the liner guider design.

03 高刚性模板
TWO RIGID PLATEN

通过优化两板的设计，使得两板刚性更好，变形量更小，结构紧凑，顶出方便。

By optimizing the two-platen design, make them have better rigid, less deformation, and the compact design make the ejecting smoother.

04 无接触拉杆设计
NON-CONTACT TIE BAR DESIGN

无接触拉杆设计彻底改变了传统两板机导套和拉杆容易磨损的缺点，长久运行模板平行度好，并且无需润滑拉杆，避免了润滑油污染模具的可能性。

The non-contact tie design totally change the disadvantage of traditional two platen machine with the abrasion between the guide sleeve and tie bar. Moreover, the parallelism rarely changed after long time and make the mold area cleaner by preventing lubricant into the area.

DEMARK

INJECTION UNIT
注射单元

01 高效塑化
HIGH EFFICIENT PLASTICIZATION

进口伺服电机溶剂的，带来了节能和效率的双重提升。

Indepndent electric screw drive brings you both melting and energy efficiency.

02 设计紧凑
COMPACT DESIGN

平行双缸注塑使得注射更加稳定，人性化的设计使得更换螺杆易于操作。

Two parallel hydraulic injection pistons make the injection stable and reliable; humanized design makes it easier to change the screw.

03 高效炮筒设计
HIGH EFFICIENT BARREL DESIGN

配备的纳米远红外加热圈以及高效螺杆，进一步增大了整个系统高效、节能的特点。

Equipped with Nano infrared heater and efficient screw, enhanced the system ability of efficiency and energy saving.

04 伺服驱动
SERVO DRIVING

整个系统的伺服驱动化，使得德玛克新型两板机开锁模和溶胶动作同时进行。

By using servo motor driving within the whole system, the mold open and clamping movement can be synchronized with plasticization.

完美的效益表现
BENEFITS

整个德玛克iTP系列两板机的设计里面都是围绕着高效与节能，因此，我们的客户能从中获得以下优势体验：

The concept of hign efficiency and lower energy consumption is always being together with the design of Demark two platen injection machine in order to let our customer gain the following advanyage:

01 比同类注塑机节能高达25%以上；
Gain more than 25% energy saving;

02 最大化生产效益；
Maximize production efficiency;

03 更快收回投资成本。
Return back of your investment within a short of time.

节能
LOW ENERGY CONSUMPTION

高效投资
LOW INVESTMENT

DEMARK

白色家电
WHITE GOODS

- 冰箱储物格
  Refrigerator support parrt
- 洗衣机盖板
  Washing machine cover
- 空气净化器外壳
  Air purifier shell
- 空调机身
  Air conditioner frame

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汽车部件
AUTOMOTIVE

- 保险杠
  Bumper
- 发动机盖
  Engine cover
- 电池盖
  Battery cover
- 车门
  Car door

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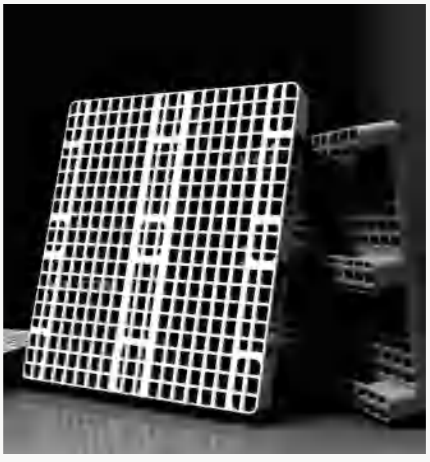

其他工业产品
INDUSTRIAL PLASTIC GOODS

- 垃圾桶
  Trash can
- 塑料检查井
  Plastic inspection well
- 化粪池
  Septic tank
- 塑料椅
  Plastic chair

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更多应用请咨询德玛克
Please advise demark for more application.

主要技术参数
MAIN TECHNICAL FEATURES

锁模单元 CLAMPING		UNIT	iTP600	iTP800	iTP1000	iTP1200	iTP1400
锁模力	Clamping force	ton	600	800	1000	1200	1400
开模力(高压油缸开模)	Opening force	ton	48	61	75	91	113
开模力(移模油缸开模)	Opening force	ton	17.6	19.9	22.3	27.5	30.3
模板最大间距	Max. daylight	mm	1800	2000	2300	2500	3000
开模行程	Clamping stroke	mm	900-1450	1000-1600	1200-1850	1300-2000	1600-2400
四柱间距	Distance btwn. Tie bars	mm	880×880	1100×950	1200×1000	1300x1100	1500x1300
最小模具尺寸	Min mould dimension	mm	616×616	770x665	840x700	910x770	1050x910
容模量	Mould thickness range	mm	350~900	400~1000	450~1100	500~1200	600~1400
顶针力	Ejector force	ton	11.1	16.6	16.6	19.8	23.2
顶针行程	Ejector stroke	mm	250	300	300	350	350
顶针数	No. of ejector pins	unit	21	21	21	29	29
系统压力	System pressure	Mpa	17.5,23	17.5,24	17.5,23	17.5,24.2	17.5,23.5
净重	Net weight	ton	17	23	30	37	47

注射单元 INJECTION		UNIT	3300			5300			7100			9600			15000		
螺杆直径	Screw diameter	mm	70	80	90	80	90	100	90	100	110	100	110	120	120	130	140
理论射胶容积	Theoretical shot volume	cm^3	1478	1930	2443	2262	2863	3534	3181	3927	4752	4320	5227	6220	7351	8628	10006
射胶量(PS)	Shot weight (PS)	g	1330	1737	2199	2036	2577	3181	2863	3534	4277	3888	4704	5598	6616	7765	9005
螺杆长径比	Length/Diameter ratio	L/D	25.1	22.0	19.6	24.8	22.0	19.8	24.4	22.0	20.0	24.2	22.0	20.2	23.8	22.0	20.4
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	228	174	138	229	181	147	218	176	146	215	178	149	214	182	157
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	406	530	670	574	727	898	663	818	990	745	902	1073	1051	1234	1431
熔胶率(PS)	Plasticizing capacity (PS)	g/s	55	71	90	59	75	103	75	103	138	109	138	188	157	184	230
射胶行程	Injection stroke	mm	384			450			500			550			650		
螺杆转速	Screw speed	rpm	160			125			125			125			100		
射台拉力	Injection unit force	ton	16.5			20.4			20.4			20.4			26.1		
射台行程	Carriage stroke	mm	500			650			700			750			850		
主马达功率	Major motor	KW	37.7+27.2+4+5.5			56.5+37.7+4+5.5			56.5+46.1+4+5.5			56.5x2+4+5.5			56.5x2+46.1+4+5. 5		
加热区	No. of heater zones	unit	6+1			6+1			6+1			6+1			6+1		
电热功率	Heater input power	KW	34			47			51			56			89		
注油量	Oil filling capacity	L	750			1000			1200			1300			1900		
净重	Net weight	ton	7			10			12			14			17		

DEMARK

iTP1600	iTP1800	iTP2300	iTP2800	iTP3300	iTP4000	iTP6600
1600	1800	2300	2800	3300	4000	6600
142	158	205	244	286	348	569
46.4	36.3	42.9	53.9	70.3	99.2	139.1
3300	3400	3800	4000	4200	4600	5200
1750~2650	1800-2700	2000-3000	2100-3100	2200-3200	2400-3600	2700-4000
1600×1400	1700x1500	1900x1700	2000x1800	2200x2000	2300x2100	2500x2300
1120×980	1190x1050	1330x1190	1400x1260	1540x1400	1610x1470	1750x1610
650~1550	700~1600	800-1800	900~1900	1000~2000	1000~2200	1200~2500
30.9	33.2	39.6	46.4	61.8	61.8	61.8
400	400	450	500	550	550	600
25	25	25	25	25	29	29
17.5,23.6	17.5,22.8	17.5,23.5	17.5,23.8	17.5,23.9	17.5,24.5	17.5,19.5
55	67	90	110	137	200	230

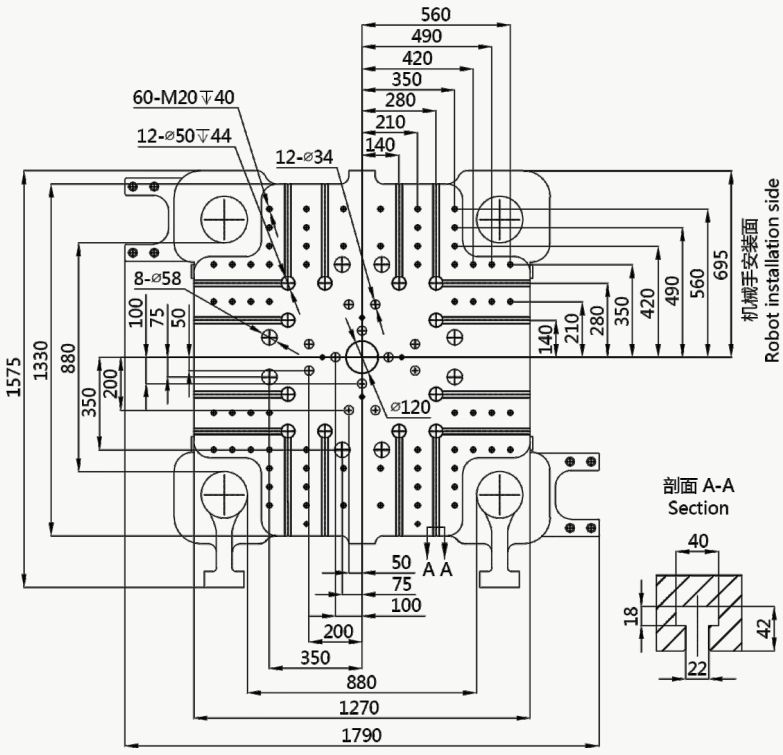
20000			20000			30000			45000			55000			86000			110000		
130	140	150	130	140	150	140	160	180	160	180	200	180	200	220	220	240	260	240	260	280
9291	10776	12370	9291	10776	12370	12315	16085	20358	18096	22902	28274	25447	31416	38013	47517	56549	66366	58811	69021	80048
8362	9698	11133	8362	9698	11133	11084	14476	18322	16286	20612	25447	22902	28274	34212	42765	50894	59730	52930	62119	72043
23.7	22.0	20.5	23.7	22.0	20.5	25.1	22.0	19.6	24.8	22.0	19.8	24.4	22.0	20.0	24.0	22.0	20.3	23.8	22.0	20.4
204	176	153	204	176	153	228	174	138	215	170	138	201	163	135	185	156	133	181	154	133
1180	1368	1571	1180	1368	1571	1155	1508	1909	1222	1546	1909	1833	2263	2739	2513	2991	3510	3106	3645	4227
184	230	294	184	230	294	171	250	339	250	339	401	271	321	388	273	451	392	401	348	437
700			700			800			900			1000			1250			1300		
100			100			80			80			64			45			40		
26.1			26.1			26.1			31.6			31.6			42.9			42.9		
1000			1000			1000			1000			1000			1770			1770		
56.5x3+4+7.5			56.5x3+4+7.5			56.5x2+37.7x2+5.5+7.5			56.5x2+37.7x2+5.5+7.5			56.5x3+46.1x2+5.5+7.5			56.5+46.1x6+7.5+11			56.5x7+7.5+11		
6+1			6+1			6+1			6+1			6+1			6+1			6+1		
93			93			123			133			172			228			268		
2000			2000			2300			2500			2700			4200			5000		
23			23			30			35			40			80			100		

iTP600

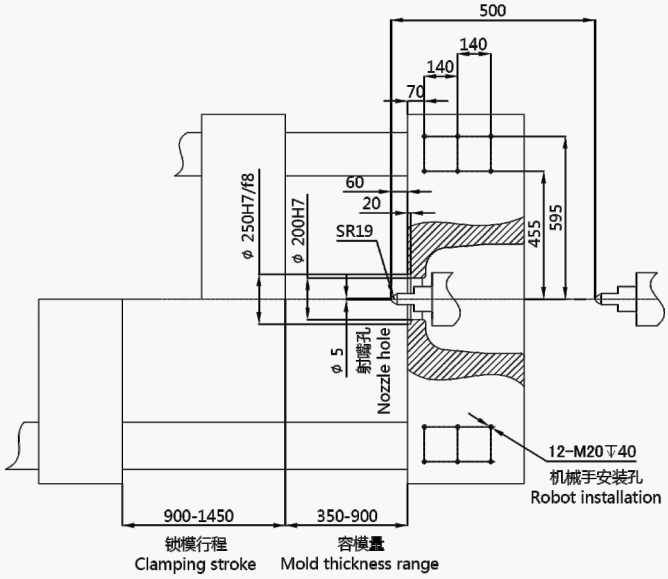
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	3300		
锁模单元 CLAMPING		**UNIT**	**iTP600**		
锁模力	Clamping force	ton	600		
开模力(高压油缸开模)	Opening force	ton	48		
开模力(移模油缸开模)	Opening force	ton	17.6		
模板最大间距	Max. daylight	mm	1800		
开模行程	Clamping stroke	mm	900-1450		
四柱间距	Distance btwn. Tie bars	mm	880×880		
最小模具尺寸	Min mould dimension	mm	616×616		
容模量	Mould thickness range	mm	350~900		
顶针力	Ejector force	ton	11.1		
顶针行程	Ejector stroke	mm	250		
顶针数	No. of ejector pins	unit	21		
系统压力	System pressure	Mpa	17.5,23		
净重	Net weight	ton	17		
注射单元 INJECTION		**UNIT**	**3300**		
螺杆直径	Screw diameter	mm	70	80	90
理论射胶容积	Theoretical shot volume	cm^3	1478	1930	2443
射胶量(PS)	Shot weight (PS)	g	1330	1737	2199
螺杆长径比	Length/Diameter ratio	L/D	25.1	22.0	19.6
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	228	174	138
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	406	530	670
熔胶率(PS)	Plasticizing capacity (PS)	g/s	55	71	90
射胶行程	Injection stroke	mm	384		
螺杆转速	Screw speed	rpm	160		
射台拉力	Injection unit force	ton	16.5		
射台行程	Carriage stroke	mm	500		
主马达功率	Major motor	KW	37.7+27.2+4+5.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	34		
注油量	Oil filling capacity	L	750		
净重	Net weight	ton	7		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

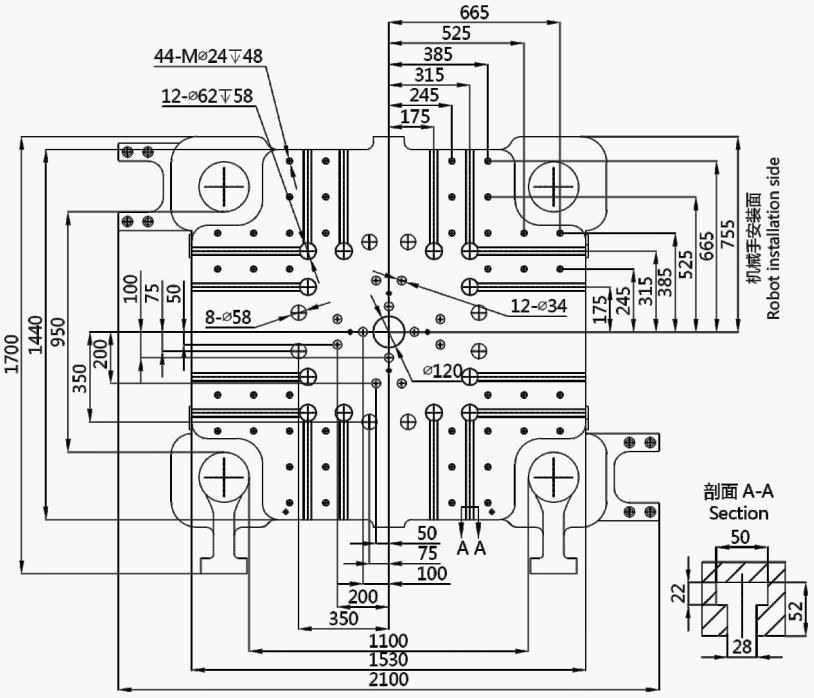


iTP800

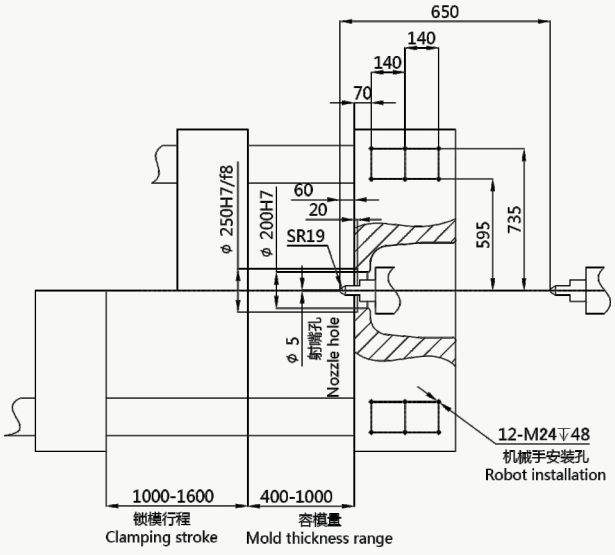
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	5300		
锁模单元 CLAMPING		**UNIT**	**iTP800**		
锁模力	Clamping force	ton	800		
开模力(高压油缸开模)	Opening force	ton	61		
开模力(移模油缸开模)	Opening force	ton	19.9		
模板最大间距	Max. daylight	mm	2000		
开模行程	Clamping stroke	mm	1000-1600		
四柱间距	Distance btwn. Tie bars	mm	1100×950		
最小模具尺寸	Min mould dimension	mm	770x665		
容模量	Mould thickness range	mm	400~1000		
顶针力	Ejector force	ton	16.6		
顶针行程	Ejector stroke	mm	300		
顶针数	No. of ejector pins	unit	21		
系统压力	System pressure	Mpa	17.5,24		
净重	Net weight	ton	23		
注射单元 INJECTION		**UNIT**	**5300**		
螺杆直径	Screw diameter	mm	80	90	100
理论射胶容积	Theoretical shot volume	cm^3	2262	2863	3534
射胶量(PS)	Shot weight (PS)	g	2036	2577	3181
螺杆长径比	Length/Diameter ratio	L/D	24.8	22.0	19.8
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	229	181	147
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	574	727	898
熔胶率(PS)	Plasticizing capacity (PS)	g/s	59	75	103
射胶行程	Injection stroke	mm	450		
螺杆转速	Screw speed	rpm	125		
射台拉力	Injection unit force	ton	20.4		
射台行程	Carriage stroke	mm	650		
主马达功率	Major motor	KW	56.5+37.7+4+5.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	47		
注油量	Oil filling capacity	L	1000		
净重	Net weight	ton	10		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

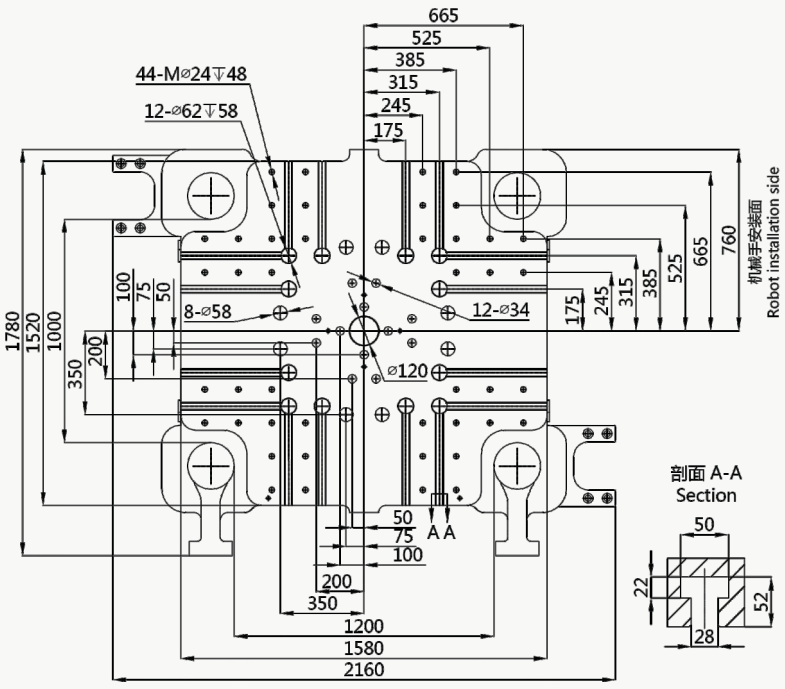


iTP1000

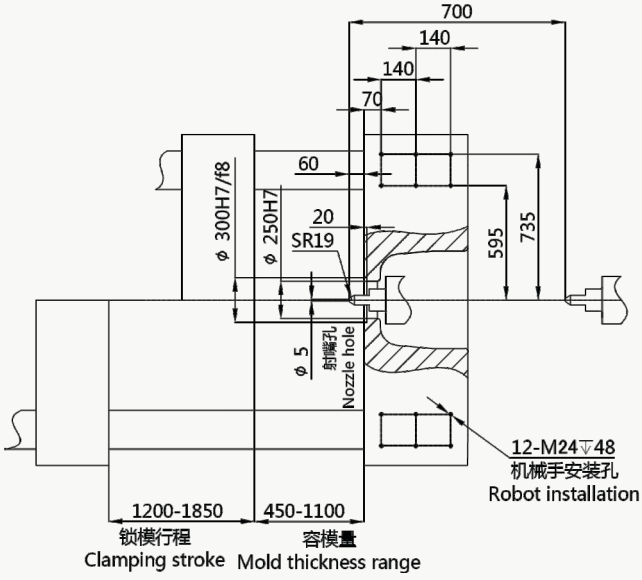
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	7100		
锁模单元 CLAMPING		**UNIT**	**iTP1000**		
锁模力	Clamping force	ton	1000		
开模力(高压油缸开模)	Opening force	ton	75		
开模力(移模油缸开模)	Opening force	ton	22.3		
模板最大间距	Max. daylight	mm	2300		
开模行程	Clamping stroke	mm	1200-1850		
四柱间距	Distance btwn. Tie bars	mm	1200×1000		
最小模具尺寸	Min mould dimension	mm	840x700		
容模量	Mould thickness range	mm	450~1100		
顶针力	Ejector force	ton	16.6		
顶针行程	Ejector stroke	mm	300		
顶针数	No. of ejector pins	unit	21		
系统压力	System pressure	Mpa	17.5,23		
净重	Net weight	ton	30		
注射单元 INJECTION		**UNIT**	**7100**		
螺杆直径	Screw diameter	mm	90	100	110
理论射胶容积	Theoretical shot volume	cm^3	3181	3927	4752
射胶量(PS)	Shot weight (PS)	g	2863	3534	4277
螺杆长径比	Length/Diameter ratio	L/D	24.4	22.0	20.0
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	218	176	146
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	663	818	990
熔胶率(PS)	Plasticizing capacity (PS)	g/s	75	103	138
射胶行程	Injection stroke	mm	500		
螺杆转速	Screw speed	rpm	125		
射台拉力	Injection unit force	ton	20.4		
射台行程	Carriage stroke	mm	700		
主马达功率	Major motor	KW	56.5+46.1+4+5.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	51		
注油量	Oil filling capacity	L	1200		
净重	Net weight	ton	12		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

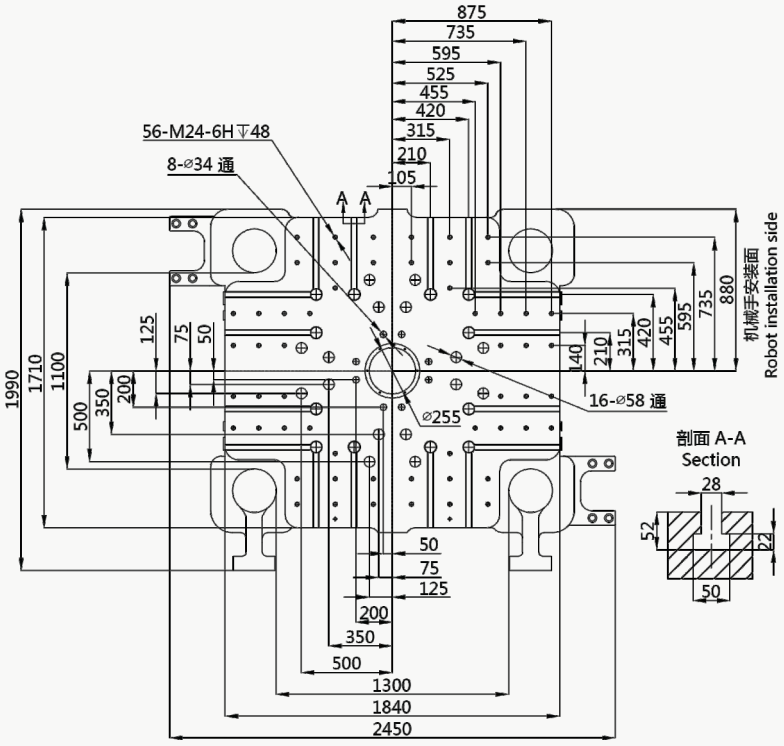


iTP1200

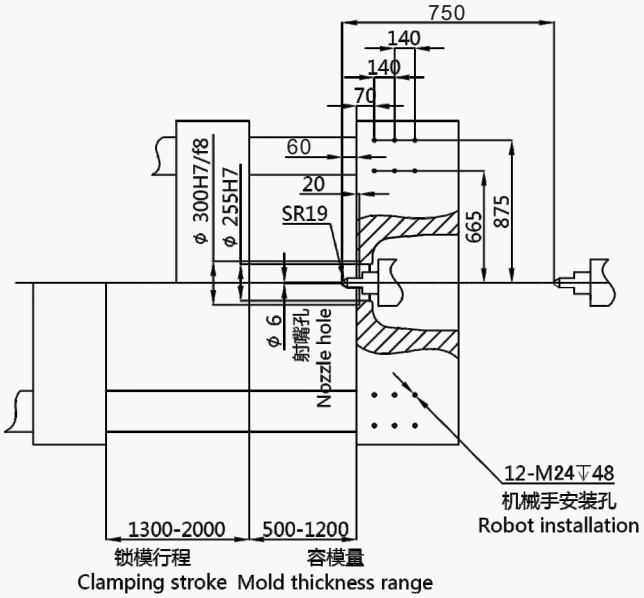
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	9600		
锁模单元 CLAMPING		**UNIT**	**iTP1200**		
锁模力	Clamping force	ton	1200		
开模力(高压油缸开模)	Opening force	ton	91		
开模力(移模油缸开模)	Opening force	ton	27.5		
模板最大间距	Max. daylight	mm	2500		
开模行程	Clamping stroke	mm	1300-2000		
四柱间距	Distance btwn. Tie bars	mm	1300x1100		
最小模具尺寸	Min mould dimension	mm	910x770		
容模量	Mould thickness range	mm	500~1200		
顶针力	Ejector force	ton	19.8		
顶针行程	Ejector stroke	mm	350		
顶针数	No. of ejector pins	unit	29		
系统压力	System pressure	Mpa	17.5,24.2		
净重	Net weight	ton	37		
注射单元 INJECTION		**UNIT**	**9600**		
螺杆直径	Screw diameter	mm	100	110	120
理论射胶容积	Theoretical shot volume	cm^3	4320	5227	6220
射胶量(PS)	Shot weight (PS)	g	3888	4704	5598
螺杆长径比	Length/Diameter ratio	L/D	24.2	22.0	20.2
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	215	178	149
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	745	902	1073
熔胶率(PS)	Plasticizing capacity (PS)	g/s	109	138	188
射胶行程	Injection stroke	mm	550		
螺杆转速	Screw speed	rpm	125		
射台拉力	Injection unit force	ton	20.4		
射台行程	Carriage stroke	mm	750		
主马达功率	Major motor	KW	56.5x2+4+5.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	56		
注油量	Oil filling capacity	L	1300		
净重	Net weight	ton	14		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

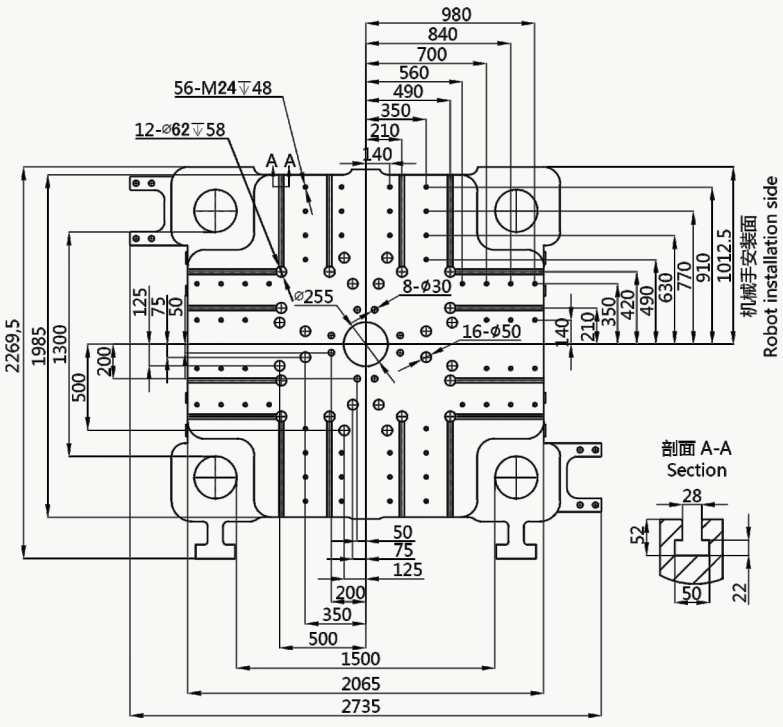


iTP1400

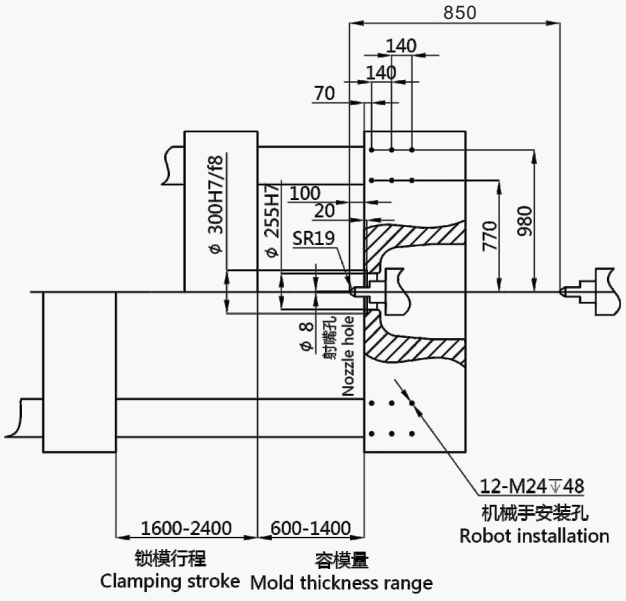
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	15000		
锁模单元 CLAMPING		**UNIT**	**iTP1400**		
锁模力	Clamping force	ton	1400		
开模力(高压油缸开模)	Opening force	ton	113		
开模力(移模油缸开模)	Opening force	ton	30.3		
模板最大间距	Max. daylight	mm	3000		
开模行程	Clamping stroke	mm	1600-2400		
四柱间距	Distance btwn. Tie bars	mm	1500x1300		
最小模具尺寸	Min mould dimension	mm	1050x910		
容模量	Mould thickness range	mm	600~1400		
顶针力	Ejector force	ton	23.2		
顶针行程	Ejector stroke	mm	350		
顶针数	No. of ejector pins	unit	29		
系统压力	System pressure	Mpa	17.5,23.5		
净重	Net weight	ton	47		
注射单元 INJECTION		**UNIT**	**15000**		
螺杆直径	Screw diameter	mm	120	130	140
理论射胶容积	Theoretical shot volume	cm^3	7351	8628	10006
射胶量(PS)	Shot weight (PS)	g	6616	7765	9005
螺杆长径比	Length/Diameter ratio	L/D	23.8	22.0	20.4
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	214	182	157
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1051	1234	1431
熔胶率(PS)	Plasticizing capacity (PS)	g/s	157	184	230
射胶行程	Injection stroke	mm	650		
螺杆转速	Screw speed	rpm	100		
射台拉力	Injection unit force	ton	26.1		
射台行程	Carriage stroke	mm	850		
主马达功率	Major motor	KW	56.5x2+46.1+4+5.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	89		
注油量	Oil filling capacity	L	1900		
净重	Net weight	ton	17		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

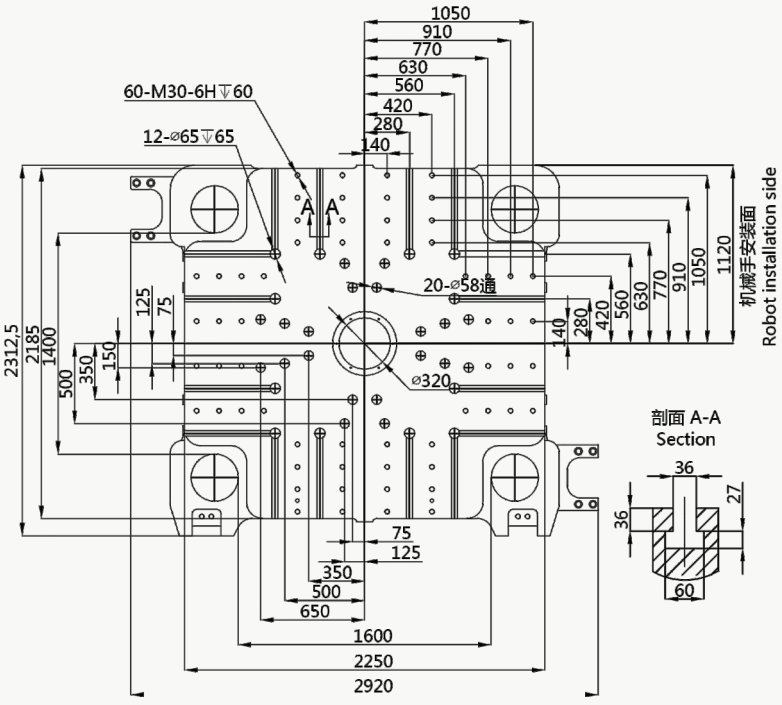


iTP1600

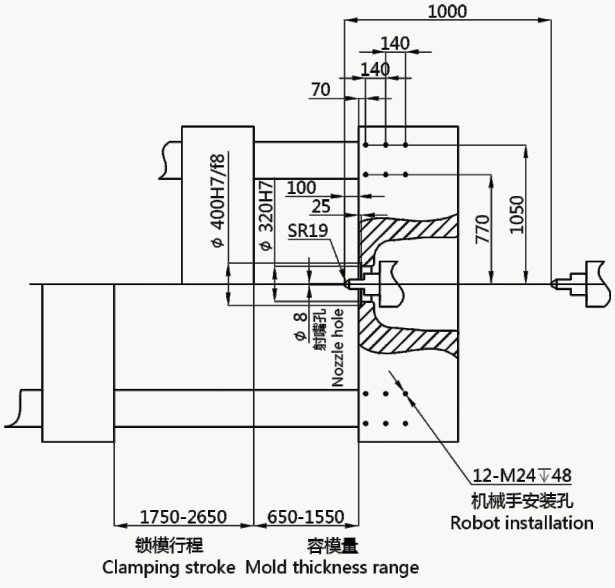
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	20000		
锁模单元 CLAMPING		**UNIT**	**iTP1600**		
锁模力	Clamping force	ton	1600		
开模力(高压油缸开模)	Opening force	ton	142		
开模力(移模油缸开模)	Opening force	ton	36.3		
模板最大间距	Max. daylight	mm	3300		
开模行程	Clamping stroke	mm	1750~2650		
四柱间距	Distance btwn. Tie bars	mm	1600×1400		
最小模具尺寸	Min mould dimension	mm	1120×980		
容模量	Mould thickness range	mm	650~1550		
顶针力	Ejector force	ton	30.9		
顶针行程	Ejector stroke	mm	400		
顶针数	No. of ejector pins	unit	25		
系统压力	System pressure	Mpa	17.5,23.6		
净重	Net weight	ton	55		
注射单元 INJECTION		**UNIT**	**20000**		
螺杆直径	Screw diameter	mm	130	140	150
理论射胶容积	Theoretical shot volume	cm^3	9291	10776	12370
射胶量(PS)	Shot weight (PS)	g	8362	9698	11133
螺杆长径比	Length/Diameter ratio	L/D	23.7	22.0	20.5
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	204	176	153
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1180	1368	1571
熔胶率(PS)	Plasticizing capacity (PS)	g/s	184	230	294
射胶行程	Injection stroke	mm	700		
螺杆转速	Screw speed	rpm	100		
射台拉力	Injection unit force	ton	26.1		
射台行程	Carriage stroke	mm	1000		
主马达功率	Major motor	KW	56.5×3+4+7.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	93		
注油量	Oil filling capacity	L	2000		
净重	Net weight	ton	21		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

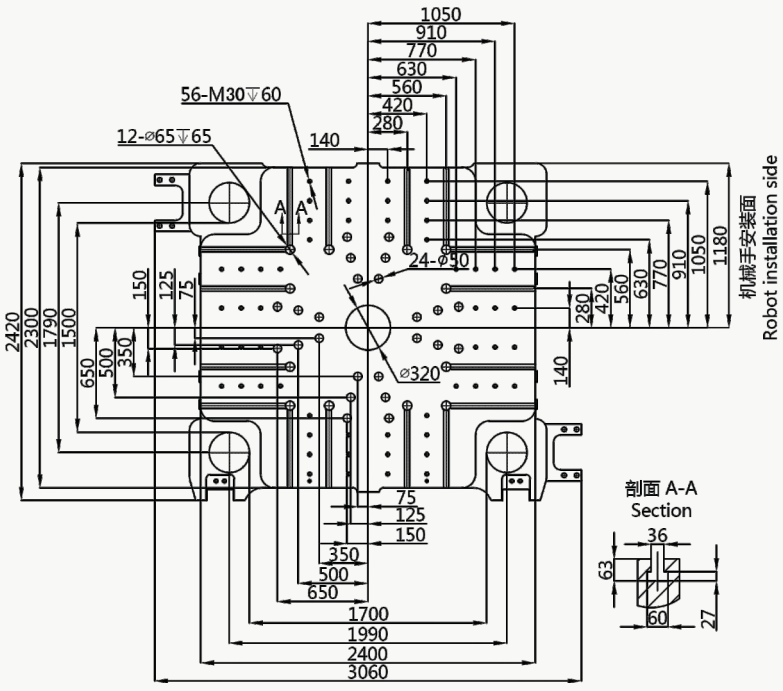


iTP1800

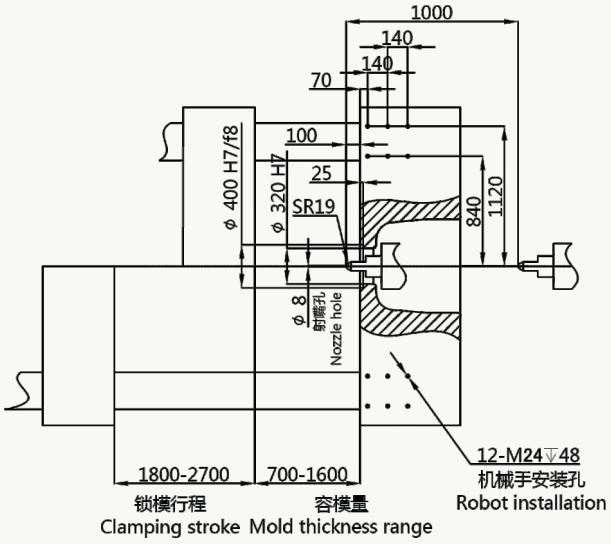
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	20000		
锁模单元 CLAMPING		**UNIT**	**iTP1800**		
锁模力	Clamping force	ton	1800		
开模力(高压油缸开模)	Opening force	ton	158		
开模力(移模油缸开模)	Opening force	ton	36.3		
模板最大间距	Max. daylight	mm	3400		
开模行程	Clamping stroke	mm	1800-2700		
四柱间距	Distance btwn. Tie bars	mm	1700x1500		
最小模具尺寸	Min mould dimension	mm	1190x1050		
容模量	Mould thickness range	mm	700~1600		
顶针力	Ejector force	ton	33.2		
顶针行程	Ejector stroke	mm	400		
顶针数	No. of ejector pins	unit	25		
系统压力	System pressure	Mpa	17.5,22.8		
净重	Net weight	ton	67		
注射单元 INJECTION		**UNIT**	**20000**		
螺杆直径	Screw diameter	mm	130	140	150
理论射胶容积	Theoretical shot volume	cm^3	9291	10776	12370
射胶量(PS)	Shot weight (PS)	g	8362	9698	11133
螺杆长径比	Length/Diameter ratio	L/D	23.7	22.0	20.5
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	204	176	153
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1180	1368	1571
熔胶率(PS)	Plasticizing capacity (PS)	g/s	184	230	294
射胶行程	Injection stroke	mm	700		
螺杆转速	Screw speed	rpm	100		
射台拉力	Injection unit force	ton	26.1		
射台行程	Carriage stroke	mm	1000		
主马达功率	Major motor	KW	56.5×3+4+7.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	93		
注油量	Oil filling capacity	L	2000		
净重	Net weight	ton	23		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

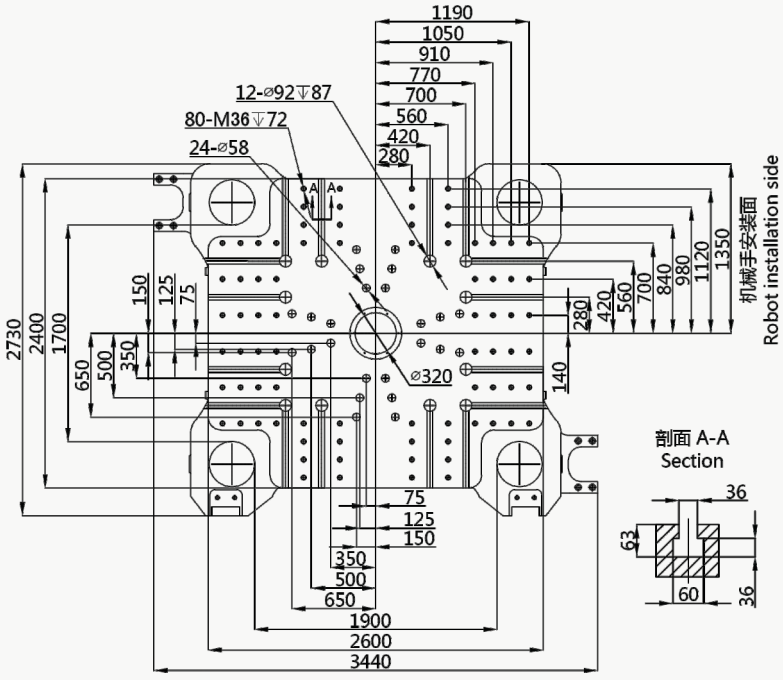


iTP2300

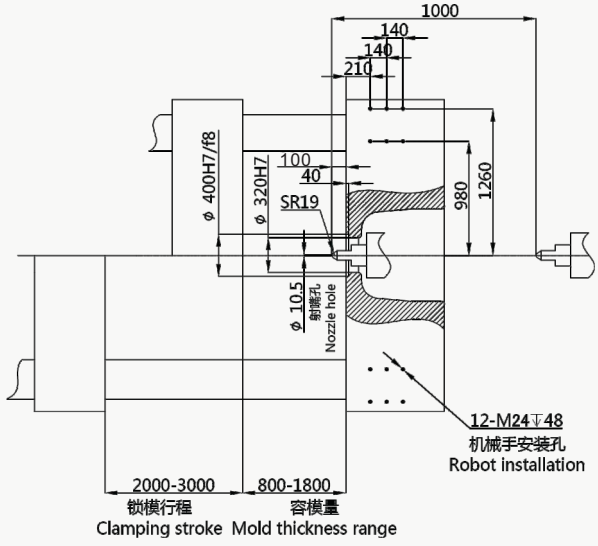
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	30000		
锁模单元 CLAMPING		**UNIT**	**iTP2300**		
锁模力	Clamping force	ton	2300		
开模力(高压油缸开模)	Opening force	ton	205		
开模力(移模油缸开模)	Opening force	ton	42.9		
模板最大间距	Max. daylight	mm	3800		
开模行程	Clamping stroke	mm	2000-3000		
四柱间距	Distance btwn. Tie bars	mm	1900x1700		
最小模具尺寸	Min mould dimension	mm	1330x1190		
容模量	Mould thickness range	mm	800-1800		
顶针力	Ejector force	ton	39.6		
顶针行程	Ejector stroke	mm	450		
顶针数	No. of ejector pins	unit	25		
系统压力	System pressure	Mpa	17.5,23.5		
净重	Net weight	ton	90		
注射单元 INJECTION		**UNIT**	**30000**		
螺杆直径	Screw diameter	mm	140	160	180
理论射胶容积	Theoretical shot volume	cm^3	12315	16085	20358
射胶量(PS)	Shot weight (PS)	g	11084	14476	18322
螺杆长径比	Length/Diameter ratio	L/D	25.1	22	19.6
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	228	174	138
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1155	1508	1909
熔胶率(PS)	Plasticizing capacity (PS)	g/s	171	250	339
射胶行程	Injection stroke	mm	800		
螺杆转速	Screw speed	rpm	80		
射台拉力	Injection unit force	ton	26.1		
射台行程	Carriage stroke	mm	1000		
主马达功率	Major motor	KW	56.5×2+37.7×2+5.5+7.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	123		
注油量	Oil filling capacity	L	2300		
净重	Net weight	ton	30		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

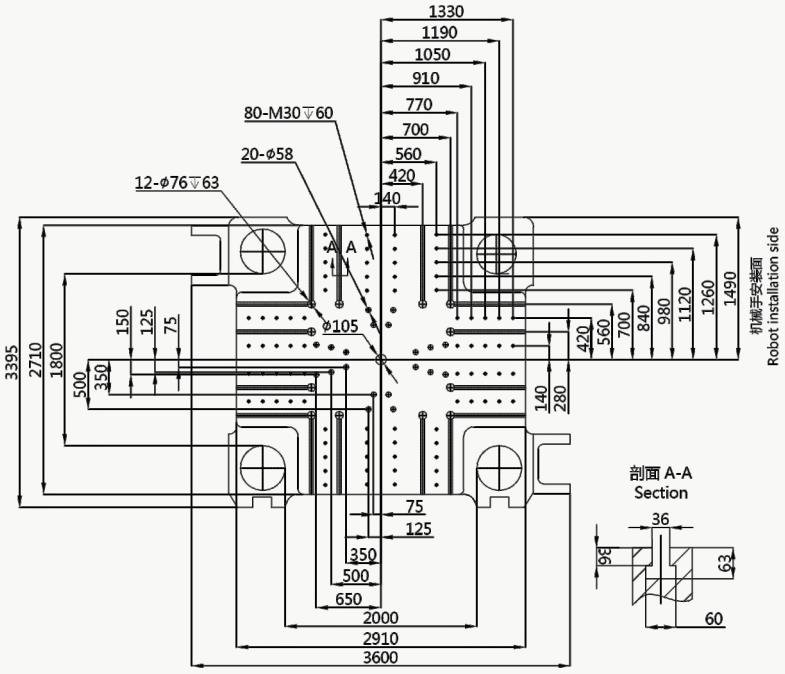


iTP2800

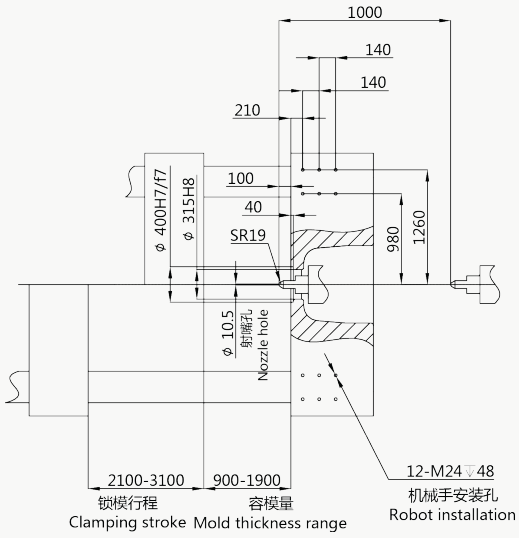
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	45000		
锁模单元 CLAMPING		**UNIT**	**iTP2800**		
锁模力	Clamping force	ton	2800		
开模力(高压油缸开模)	Opening force	ton	244		
开模力(移模油缸开模)	Opening force	ton	53.9		
模板最大间距	Max. daylight	mm	4000		
开模行程	Clamping stroke	mm	2100-3100		
四柱间距	Distance btwn. Tie bars	mm	2000x1800		
最小模具尺寸	Min mould dimension	mm	1400x1260		
容模量	Mould thickness range	mm	900~1900		
顶针力	Ejector force	ton	46.4		
顶针行程	Ejector stroke	mm	500		
顶针数	No. of ejector pins	unit	25		
系统压力	System pressure	Mpa	17.5,22.8		
净重	Net weight	ton	110		
注射单元 INJECTION		**UNIT**	**45000**		
螺杆直径	Screw diameter	mm	160	180	200
理论射胶容积	Theoretical shot volume	cm^3	18096	22902	28274
射胶量(PS)	Shot weight (PS)	g	16286	20612	25447
螺杆长径比	Length/Diameter ratio	L/D	24.8	22.0	19.8
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	215	170	138
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1222	1546	1909
熔胶率(PS)	Plasticizing capacity (PS)	g/s	250	339	401
射胶行程	Injection stroke	mm	900		
螺杆转速	Screw speed	rpm	80		
射台拉力	Injection unit force	ton	31.6		
射台行程	Carriage stroke	mm	1000		
主马达功率	Major motor	KW	56.5×2+37.7×2+5.5+7.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	133		
注油量	Oil filling capacity	L	2500		
净重	Net weight	ton	35		

模板正面尺寸 PLATEN DIMENSIONS



模板面尺寸 PLATEN SPACE DIMENSIONS

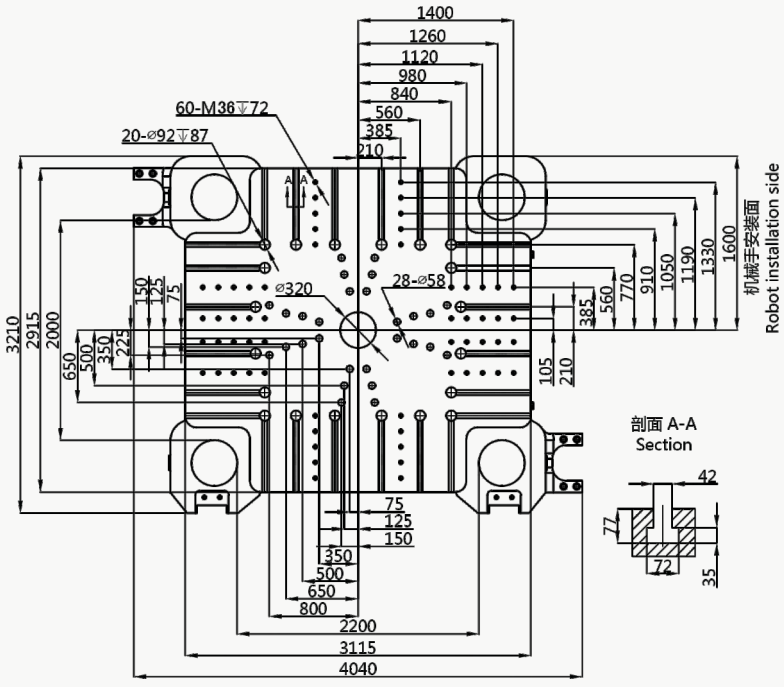


iTP3300

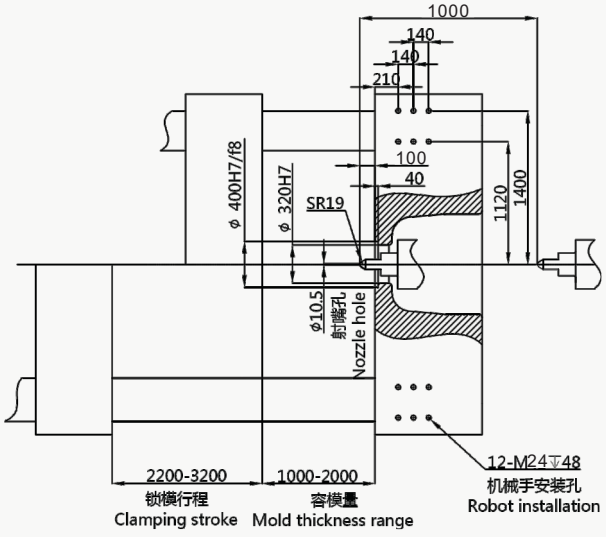
技术参数 MAIN TECHNICAL FEATURES

国际标准规格 INTERNATIONAL STANDARDS		单位 UNIT	55000		
锁模单元 CLAMPING		**UNIT**	**iTP3300**		
锁模力	Clamping force	ton	3300		
开模力(高压油缸开模)	Opening force	ton	286		
开模力(移模油缸开模)	Opening force	ton	70.3		
模板最大间距	Max. daylight	mm	4200		
开模行程	Clamping stroke	mm	2200-3200		
四柱间距	Distance btwn. Tie bars	mm	2200x2000		
最小模具尺寸	Min mould dimension	mm	1540x1400		
容模量	Mould thickness range	mm	1000~2000		
顶针力	Ejector force	ton	61.8		
顶针行程	Ejector stroke	mm	550		
顶针数	No. of ejector pins	unit	25		
系统压力	System pressure	Mpa	17.5,23.9		
净重	Net weight	ton	137		
注射单元 INJECTION		**UNIT**	**55000**		
螺杆直径	Screw diameter	mm	180	200	220
理论射胶容积	Theoretical shot volume	cm^3	25447	31416	38013
射胶量(PS)	Shot weight (PS)	g	22902	28274	34212
螺杆长径比	Length/Diameter ratio	L/D	24.4	22.0	20.0
射胶压力(高压低速)	Injection pressure(high pressure and low speed)	Mpa	201	163	135
射胶速率(高压低速)	Injection rate(high pressure and low speed)	cm^3/sec	1833	2263	2739
熔胶率(PS)	Plasticizing capacity (PS)	g/s	271	321	388
射胶行程	Injection stroke	mm	1000		
螺杆转速	Screw speed	rpm	64		
射台拉力	Injection unit force	ton	31.6		
射台行程	Carriage stroke	mm	1000		
主马达功率	Major motor	KW	56.5x3+46.1x2+5.5+7.5		
加热区	No. of heater zones	unit	6+1		
电热功率	Heater input power	KW	172		
注油量	Oil filling capacity	L	2700		
净重	Net weight	ton	40		

模板正面尺寸 PLATEN DIMENSIONS

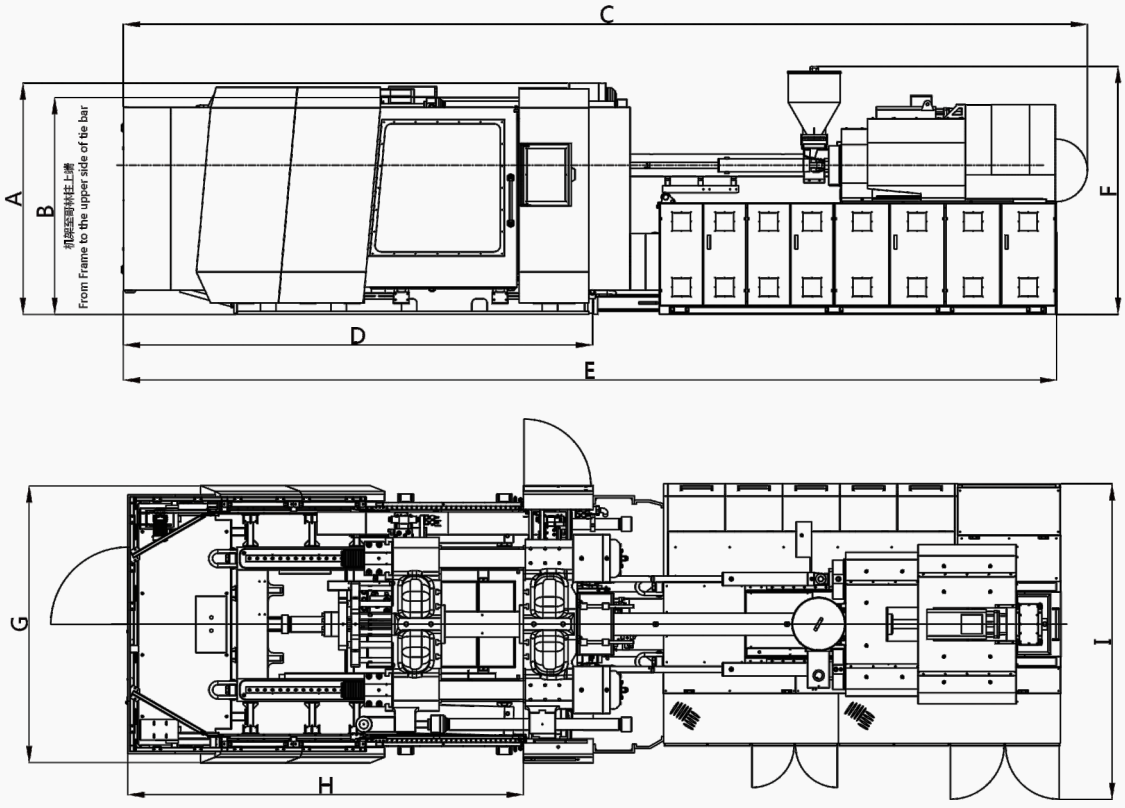


模板面尺寸 PLATEN SPACE DIMENSIONS



iTP 外形尺寸 & 数据对比

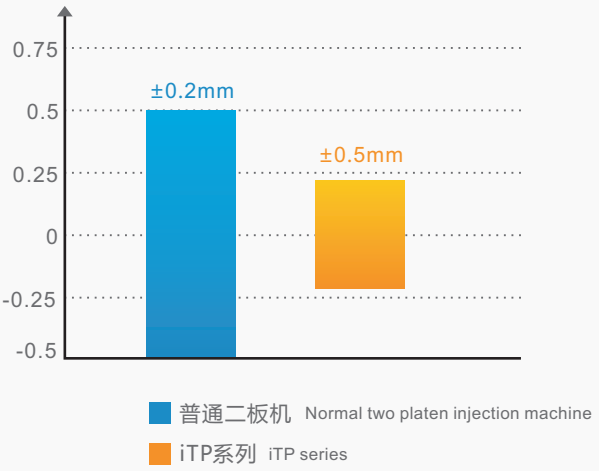
iTP DIMENSION & PARAMETERS COMPARISON



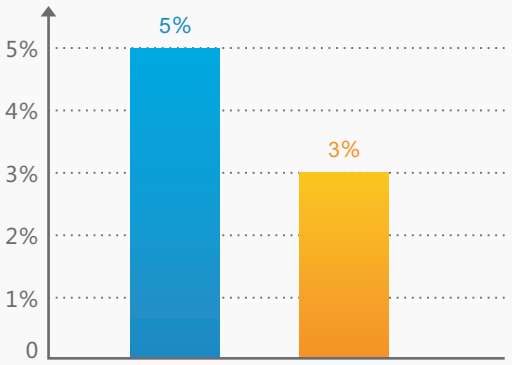
机 型 MODEL	A	B	C	D	E	F	G	H	I
iTP600	2210	2055	7418	3995	7510	2306	2540	3305	2509
iTP800	2250	2110	9378	4563	9078	2414	2836	3848	3070
iTP1000	2300	2160	9612	4963	9625	2419	3040	4198	3073
iTP1200	2590	2415	10681	5255	10161	2629	3490	4440	3225
iTP1400	2880	2682	12642	6153	11971	2790	3750	5238	3279
iTP1600	2990	2792	13043	6620	12500	2824	3950	5626	3335
iTP1800	3102	2877	13448	7090	12910	2861	4100	6015	3359
iTP2300	3580	3340	15502	8200	15000	3082	4500	6795	3413
iTP2800	3712	3472	16210	8290	16500	3393	4750	7045	3679
iTP3300	4012	3722	16998	8402	17189	3703	5100	7296	3946

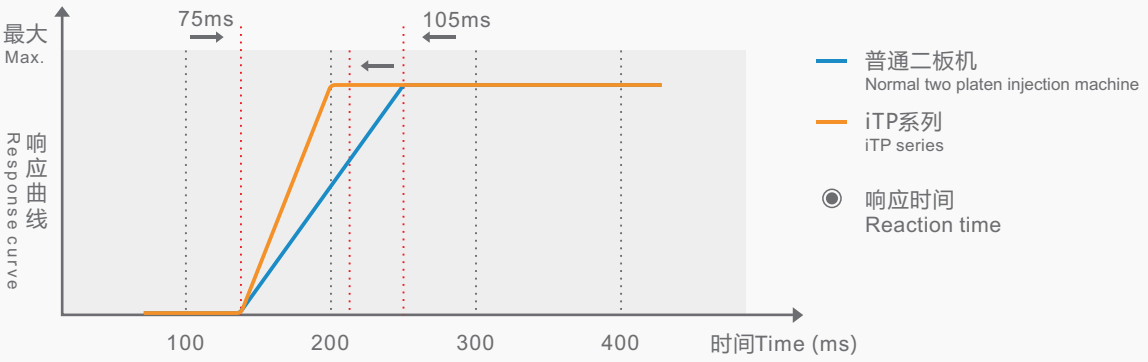
DEMARK

◉ 射胶终点重复精度
Comparison of Injection end position repeatability precision



◉ 产品重量重复精度
Product weight repeatability precision





功能配置表
FUNCTIONAL CONFIGURATION TABLE

锁模 CLAMPING

功能描述 FUNCTIONAL DESCRIPTION	iTP600	iTP800	iTP1000	iTP1200	iTP1400
螺丝孔模板 Screw hole platen	○	○	○	○	○
梯形槽模板 Trapezoidal slot platen	●	●	●	●	●
模板（欧规2模具安装尺寸） Platen (euro 2 mold installation size)	○	○	○	○	○
高刚性两板式锁模机构 High rigidity two - platen clamping mechanism	●	●	●	●	●
机械安全保护 Mechanical safety protection	○	○	○	○	○
电气安全保护 Electrical safety protection	●	●	●	●	●
液压安全保护 Hydraulic safety protection	●	●	●	●	●
自动调模功能 Automatic mold adjustment function	●	●	●	●	●
开合模、脱模及调模电子尺控制 Mould open & close, demoulding and mold adjustment electronic ruler control	●	●	●	●	●
定量式自动集中润滑系统 Quantitative automatic centralized lubrication system	●	●	●	●	●
动模板移动线轨 Moving platen linear guide	●	●	●	●	●
动模板移动高强度钢带 The moving platen moves the high strength steel belt					
自动安全门 Automatic safety door	●	●	●	●	●
欧规18机械手安装位置 European standard 18 manipulator installation position	●	●	●	●	●
动模板机械限位装置 Mechanical limit device for moving platen	●	●	●	●	●
磁力模板 Magnetic template	○	○	○	○	○
液压/电动旋转脱模装置 Hydraulic/electric rotary stripper	○	○	○	○	○
加宽门窗 Widening doors and Windows	○	○	○	○	○
模区安全踏板 Mold area safety pedal	○	●	●	●	●
动定各一组水排 Each set of water drainage	●	●	●	●	●
快插接头分水器 Quick plug connetor water separator	●	●	●	●	●
两组吹气阀 Two sets of blow valves	○	○	○	○	○
四组吹气阀 Four sets of blow valves	○	○	○	○	○
玻管分水器 Glass diverter	○	○	○	○	○
抱闸自锁阀 Lock brake self - locking valve	●	●	●	●	●

● 标配 Standard ○ 选配 Optional

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iTP1600	iTP1800	iTP2300	iTP2800	iTP3300	iTP4000	iTP6600
○	○	○	○	○	○	○
●	●	●	●	●	●	●
○	○	○	○	○	○	○
●	●	●	●	●	●	●
○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
●	●	●	●	●	●	●

功能配置表
FUNCTIONAL CONFIGURATION TABLE

注射 INJECTION

功能描述 FUNCTIONAL DESCRIPTION	3300	5300	7100	9600
标准螺杆 Standard screw	●	●	●	●
其它螺杆 Other screw	○	○	○	○
锁闭式喷嘴 Locked nozzle	○	○	○	○
双缸平衡注射结构 Double cylinder balanced injection structure	●	●	●	●
双缸座台移动 Double cylinder pedestal moving	●	●	●	●
注射电子尺控制 Injection electronic ruler control	●	●	●	●
螺杆转速显示 Screw speed display	●	●	●	●
油马达预塑 Oil motor preplasticizing	○	○	○	○
电熔胶预塑 Electric melt adhesive preplasticizing	●	●	●	●
预塑背压比例控制 Preplasticizing back pressure proportional control	●	●	●	●
下料口温度检测 Temperature test of blanking feeding port temperature detection	○	○	○	○
料筒隔热防护罩 Drum heat shield	●	●	●	●
喷嘴防护罩 Nozzle shield	●	●	●	●
射移自锁阀 Ejection self - locking valve	●	●	●	●
料筒支撑装置 Cartridge support device	●	●	●	●
螺杆快拆装置 Screw quick release device		●	●	●
座台集中润滑装置 Centralized bench lubrication device	●	●	●	●
座台自动集中润滑装置 Automatic centralizing lubrication device for bench	○	○	○	○
云母加热圈 Mica heating ring	○	○	○	○
陶瓷加热圈 Ceramic heating ring	●	●	●	●
气体辅助注射接口 Gas assisted injection interface	○	○	○	○
微发泡成型 Micro foam forming	○	○	○	○
干燥料斗 Drying hopper	○	○	○	○
不锈钢料斗 Stainless steel hopper	●	●	●	●
料筒保温装置 Matarial barrel inswation devicl insulation device	○	○	○	○

● 标配 Standard ○ 选配 Optional

DEMARK

15000	20000	30000	45000	55000	86000	110000
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	●	●
●	●	●	●	●		
●	●	●	●	●	●	●
○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
●	●	●	●	●	●	●
○	○	○	○	○	○	○

功能配置表
FUNCTIONAL CONFIGURATION TABLE

液压 HYDRAULIC

功能描述 FUNCTIONAL DESCRIPTION	iTP600-6600
伺服油泵 The servo oil pump	●
变量泵 Variable pump	○
定量泵 Quantitative pump	○
电子变量泵 Electronic variable pump	○
加大油泵电机功率 Increase the power of oil pump motor	○
注射压力转保压功能 Injection pressure holding pressure function	●
多组顺序注射功能 Multi-group sequential injection function	○
注射伺服阀 Injection servo valve	○
液压油位报警 Hydraulic oil level alarm	○
吸油口锁闭装置 Oil suction port locking device	●
冷水阀 The cold water valve	○
2组抽芯 (动模) 2 sets of core pulling (moving molds)	○
4组抽芯 (动模2组，定模2组) 4 sets of core pulling (2 sets of moving molds, 2 sets of fixed molds)	
顺序阀 Sequence valve	○
合模快速装置 Quick closing device	
开模差动装置 Mold opening differential device	●
开模顶出同步 (顶出无比例控制) Ejection synchronism (no proportional control of ejection)	
开模顶出同步 (顶出比例控制) Ejection synchronization (ejection proportional control)	○
开模储料同步 (储料无比例控制) Mold opening and storage synchronization (no proportional control of storage)	
开模储料同步 (储料比例控制) Mold opening and storage synchronization (storage proportion control)	○
开模、顶出、储料同步 (比例控制) Mold opening, ejection and storage synchronization (proportional control)	○
开合模比例控制阀 Open and close proportional control valve	●
开合模伺服阀 Open and close mold servo valve	○
顶出比例阀 Ejector out proportional valve	○

● 标配 Standard ○ 选配 Optional

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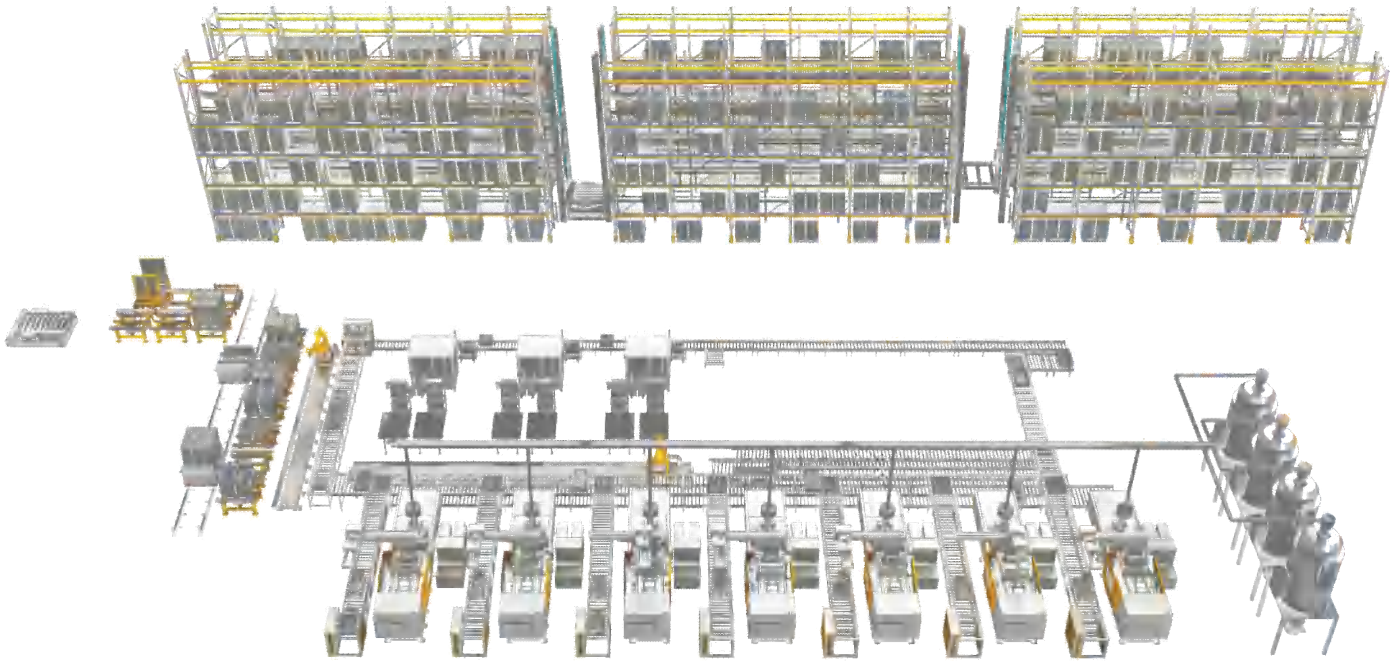
电气 ELECTRICAL

功能描述 FUNCTIONAL DESCRIPTION	iTP600	iTP800-6600
KEBA控制器 KEBA controller	●	●
200组模具记忆功能 Memory function of 200 sets of molds	●	●
各动作工况实时监测功能 Real-time monitoring function for each operating condition	●	●
生产资料监测功能 Production data monitoring function	●	●
故障报警显示功能 Fault alarm display function	●	●
注射压力转保压功能 Injection pressure to holding pressure function	●	●
I/O监测显示 I/O monitoring display	●	●
三色报警灯 (带蜂鸣器) Three color alarm light (with buzzer)	●	●
电机过载保护 Motor overload protection	●	●
前、后门紧急停止按钮 Emergency stop button for front and back door	●	●
380V/32A五芯插座1组，380V/16A五芯插座1组，220V/16A三芯插座1组 One set of 380V/32A five-core socket, One set of 380V/16A five-core socket, One set of 220V/16A three-core socket	●	●
伺服动力系统480V电压 Servo power system 480V voltage	●	●
伺服动力系统变压器 Servo power system transformer	○	○
变频节能 Variable frequency energy saving	○	○
欧规12机械手接口 European standard 12 manipulator interface	●	●
欧规67机械手接口 European standard 67 manipulator interface	○	○
国际机械手接口 International manipulator interface	●	●
加热双重保护 Heating double protection	●	●
安全继电器监控 Safety relay monitoring	●	●
加热固态继电器控制 Heating solid state relay control	●	●
计算机网络集中控制系统 Computer network centralized control system	○	○
热流道控制系统与接口 Hot runner control system and interface	○	○
实时能耗监测 Real-time energy consumption monitoring	○	○
实时锁模力显示 Real time clamping force display	●	●
220V/10A工业插座 220V/10A industrial socket	●	●
电气柜照明装置 Electric cabinet lighting device	●	●
开合模位置闭环功能 Closed loop function for open and close position	●	●
顶出位置闭环功能 Closed loop function for ejection position	○	○
安全踏板监控功能 Safety pedal monitoring function	○	●
射台中心位置监控功能 Center position monitor function	○	○

塑包智慧工厂

PLASTIC SMART FACTORY



DEMARK

塑包行业智慧工厂，我们为您做得更多。

We Are Doing More For You In The Smart Factory Of The Plastic Packaging Industry.

01 充分理解工艺，打造整体智慧；
Fully Understand The Craft And Build The Overall Wisdom;

提供专业的塑料包装行业的智慧生产解决方案，德玛克的智慧工厂建立在对系统集成和整线自动化的深刻理解之上，只有懂客户的生产工艺，才能为客户打造最合适的整体智慧解决方案。

Providing intelligent production solutions for the professional plastic packaging industry, Demark's smart factory is built on a deep understanding of system integration and complete line automation, only knowing customers The production process can create the most suitable overall smart solution for customers.

02 专注细分市场，拥有核心技术；
Focus On Market Segments And Have Core Technologies;

德玛克有丰富的细分市场深耕经验，专注于包括液态包装，医疗，快消包装和汽摩配在内的四个细分市场的塑包行业智慧工厂解决方案，同时我们又是注塑机，吹瓶机，模具这样的主机制造商，拥有相关核心技术。

Demark has a deep market segmentation experience, focusing on smart factory solutions in the plastic packaging industry in four segments including liquid packaging, medical, fast-moving packaging and auto parts.At the same time, we are the mainframe manufacturer of injection molding machines, blow molding machines and molds, with relevant core technologies.

03 关注每个环节，智慧自始至终；
Focus On Each Link, Wisdom From Beginning To End;

我们自己不仅做到设备本身的智能化程度和数据的开放和共享，同时更关注您的每一个制造环节，物流环节，和资源环节，从数据的采集，现场监控，到数据的分析以及智能干预，自始至终最大限度地为您打造最适合最高效的智慧工厂。

We not only do the intelligence of the equipment itself and the openness and sharing of data, but also pay attention to each of your manufacturing links, logistics links, and resources. According to the collection, on-site monitoring, data analysis and intelligent intervention, we can create the most suitable and most efficient smart factory from start to finish.

04 已有解决案例，市场反响极佳；
The Solution Has Been Solved And The Market Response Is Excellent;

德玛克有丰富的细分市场深耕经验，一批已落地的项目已在市场上获得了极佳的反响。

Demark has a wealth of experience in market segmentation, and a number of projects that have already been launched have received excellent response in the market.

05 研发团队强大，智慧不断升级。
The R&d Team Is Strong And The Wisdom Is Constantly Upgrading.

我们与国家千人计划人才合作，对自制的设备进行智能化升级，开放更多的数据端口，配套联合开发的智慧化车间管理系统，彻底改变传统的生产模式。使您能将智能化的设备发挥出最大的效用，不但提升单元环境内的生产效率，更多地提升整体注塑车间的生产效率。

We cooperate with the national thousand people plan talents, intelligently upgrade the self-made equipment, open more data ports, and cooperate with the intelligent development of the workshop management system. The bottom changes the traditional production mode. Allows you to maximize the effectiveness of your intelligent equipment, not only to improve production efficiency in the unit environment, but also to improve the overall injection molding workshop. Production efficiency.

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