

行业专家 纵横业界四十载

INDUSTRY EXPERTS, WITH A LEGACY OF 40 YEARS.

精工注塑 智领无限可能



AOTAI 澳太

宁波威力仕高科技机械有限公司
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**PRECISION INJECTION MOLDING
WHERE INTELLIGENCE DRIVES BOUNDLESS POSSIBILITIES**

融合 创新 超越
为客户实现核心价值

Aotai

Synergizing, Innovating, and Surpassing –
All to Realize Your Core Value.

CORPORATE PROFILE

企业简介

企业根基 ENTERPRISE FOUNDATION

创立于 2003 年，国家级高新技术企业，总部位于宁波经济技术开发区，现代化厂区占地 5 万平方米。专注高精密注塑机、压铸机及自动化周边设备的研发、生产与销售。

核心优势 CORE ADVANTAGE

人才为本——258 名员工中，大专以上学历 135 人，25 名资深技术骨干拥有海外 / 顶尖企业背景，驱动创新。智造实力——拥有特大型及中小型数控加工中心集群，具备大型设备核心部件自主加工能力。品质保障——先进实验室配备精密检测仪器，严格执行“追求质量，竭诚服务”方针。数字赋能——全面实施 ERP/PDM/CAM 信息化工程，提升管理效率，缩短研发周期。

明星产品 STAR PRODUCT

引领市场的高精密注塑机 (90-3000T)，覆盖广泛应用需求。高速高效——薄壁包装专用机；精密多彩——清双色 & 混双色精密双色机；创新工艺——夹芯注塑机；重载稳定——大型塑机；专业定制——CPVC & UPVC & PET 专用机等 30+ 种规格。

全球信赖 GLOBAL TRUST

产品远销海内外，以卓越性能与专业解决方案赢得客户一致好评。

Established in 2003, we are a national high-tech enterprise headquartered in the Ningbo Economic and Technological Development Zone. Our modern facility spans 50,000 square meters, specializing in the R&D, production, and sales of high-precision injection molding machines, die-casting machines, and automated peripheral equipment.

Talents as the Foundation – Among our 258 employees, 135 hold associate degrees or higher, with 25 seasoned technical experts bringing overseas or top-tier corporate experience to drive innovation.
Smart Manufacturing Capability – Equipped with clusters of extra-large, medium, and small CNC machining centers, we possess in-house machining capabilities for core components of large equipment.
Quality Assurance – Our advanced laboratory, furnished with precision testing instruments, strictly adheres to the principle of “Pursuing Quality, Delivering Service with Sincerity.”
Digital Empowerment – Full implementation of ERP/PDM/CAM information systems enhances management efficiency and shortens R&D cycles.

Our market-leading high-precision injection molding machines (90-3000T) cater to a wide range of applications:

- High-Speed & Efficiency – Specialized machines for thin-wall packaging
- Precision & Color Variety – Clear/two-color & mixed-two-color precision two-shot machines
- Innovative Process – Sandwich injection molding machines
- Heavy-Duty & Stability – Large-scale plastic molding machines
- Customized Solutions – Dedicated machines for CPVC, UPVC, PET, and over 30 other specifications

Our products are exported worldwide, earning consistent acclaim for outstanding performance and professional solutions.



CORPORATE TIMELINE

发展历程

2020

荣获“品”字
浙江制造认证证书
Awarded the "Zhejiang
Manufacturing 'Pin' Certification".

2021

ZJ3000大型CPVC注塑
机荣获浙江省首台套
称号
同年荣获专精特新
“小巨人”企业称号

2022

晋升为国家高新技术企业
BE promoted to a national high-tech
enterprise

1995

创始人创立“澳太”前身—“海太”
In 1995, the founder established the "Haitai"
brand, This brand is the predecessor of
"Aotai"

2008

成功通过 ISO 质量体系认证；
同年成功研发 UJ/460CPVC 注塑机
Successfully passed the ISO quality system
certification; In the same year, UJ/460CPVC injection
molding machine was successfully developed

2012

成功研发
ZJ750 二板注塑机
Successfully developed ZJ750
two-plate injection molding
machine

2018

2018 年研发成功 ZJ3000 大型 CPVC 注塑机
进军大型 CPVC 管道市场
The ZJ3000 large-tonnage CPVC injection molding
machine was successfully developed, positioning the
coMpany to enter the large-diameter CPVC pipeline
market.

2016

成功研发
UM780 双色夹层注塑机
Successfully developed UM780 double-color
sandwich injection molding machine

2003

创建“威力仕”公司
“澳太”品牌由此诞生
"Weilishi" was established in 2003, marking
the birth of the "AoTai" brand

2011

成功研发
粉末冶金注塑机
Successfully developed powder metallurgy
injection molding machine

2013

成功研发
US360 清双色注塑机
Successfully developed US360 clear
two-color injection molding machine

2014

成功研发
UP560 PE 管件注塑机
Successfully developed UP560 PE
pipe fitting injection molding machine

2015

成功研发
HJ360 高精度高速注塑机
Successfully Developed HJ360 High-
Precision And High-Speed Injection
Molding Machine

国家发明专利 40+ 项

More than 40 national invention patents



- 双伺服节能注塑机

注塑机上拆式动模板滑脚装置

注塑机双出轴节能注射油缸

注塑机弹性拉杆螺母

注塑机空心球面结构的头板

注塑机弹性头板

注塑机单缸注塑机

注塑机电脑操纵箱

注塑机液压系统闭环反馈控制装置

注塑机单油缸注射装置

金属压铸机压射装置

注塑机注射装置的外延式导杆

双色注塑机转盘离合分度锁紧装置

注塑机的液压控制系统

热固性注塑机的调温装置

塑料注射工艺参数的确定方法及注塑机

注塑件缺陷的智能修正方法及注塑机

注塑机夹板连体结构的尾板

注塑机螺杆接套装置
- 注塑机料筒定位装置

注塑机活塞旋转注射油缸

注塑机合模装置的双肘连杆

注塑机尾板（弓形夹板连体结构）

直压锁模增压机构

二板注塑机的旋转抱闸机构

注塑机的独立保压机构

注塑机开模位置的精确控制方法

注塑机自动安全门装置

注塑机螺杆更换机构
- Double servo energy-saving injection molding machine

Detachable moving platen sliding foot device

Double-shaft & energy-saving injection cylinder

Flexible tie bars nut

Hollow spherical structure of the cephalic plate

Flexible cephalic plate

Single-cylinder injection structure

Computer control box

Hydraulic system closed-loop feedback control device

Single-cylinder injection unit

Metal die casting machine injection mechanism

Extensional guide-bar for injection device

Double colored injection molding machine rotary table

clutch dividing locking device

Hydraulic control system of injection molding machine

Temperature regulation unit of thermosetting injection molding machine

Determining method of plastic injection process parameters
- Intelligent correction method of defects in the course of injection

Tail-board of splint connected structure

Screw connecting device

Barrel positioning device

Rotary piston injection cylinder

*Double crank connecting-rod of the clamping unit

Tail-board of the injection molding machine (arch splint connected structure)

Direct pressure clamping pressurized construction

Rotary band-type brake structure of two-platen plastic inject machine

Separate pressure maintaining structure

Precision control method of mold-opening position

Automatic safety door device

Screw change mechanism

PATENTS

专利支撑

澳太 U 系列注塑机

高精度制造能力

High precision manufacturing capability

公司拥有高精度加工中心，拥有大型机机加工设备、大型三坐标检测设备。



COMPETITIVE EDGES

公司优势

大型三坐标检测设备

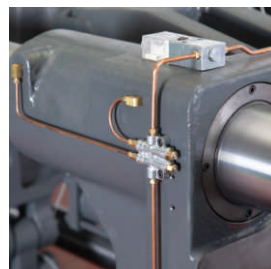
The company is equipped with high-precision machining centers, along with large-scale machining equipment and large coordinate measuring machines (CMMs).

合模系统

CLAMPING SYSTEM



采用石墨自润滑钢套和铜套
Equipped with graphite self-lubricating steel bushes and copper bushes.



高刚性 T 型槽模板
高强度整体连杆设计
预留机械手安装孔
内置 AI 算法实现智能高速开、闭模



High-Rigidity T-Slot Platens
High-Strength Monolithic Tie Bar Design
Pre-Drilled Robot Mounting Holes
Built-in AI Algorithm for Intelligent High-Speed Mold Opening & Closing

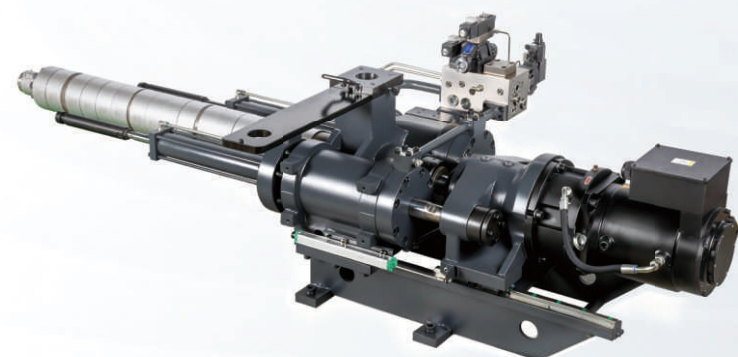
液压系统

HYDRAULIC SYSTEM



伺服电机驱动高性能泵浦
高精注射单元压力传感装置
空载节能输出自动控制
采用世界知名品牌的控制和执行器件
全系统无焊接管路工艺

Servo motor-driven high-performance pump
High-precision injection unit with pressure sensing
Automatic control for energy-saving output under no-load
World-renowned control and actuator components
Entire system utilizes welding-free piping technology



注射系统

INJECTION SYSTEM

先进的模块化设计理念
高精度测控注射计量重复精度
陶瓷料管节能加热装置
电动熔胶装置选配实现复合动作同时节能且精准

Advanced Modular Design Concept
High-Precision Metering & Repeatable Injection Accuracy
Energy-Efficient Ceramic Barrel Heating Unit
Optional Electric Plasticizing Unit for Simultaneous, Energy-Efficient, and Precise Movements



控制系统

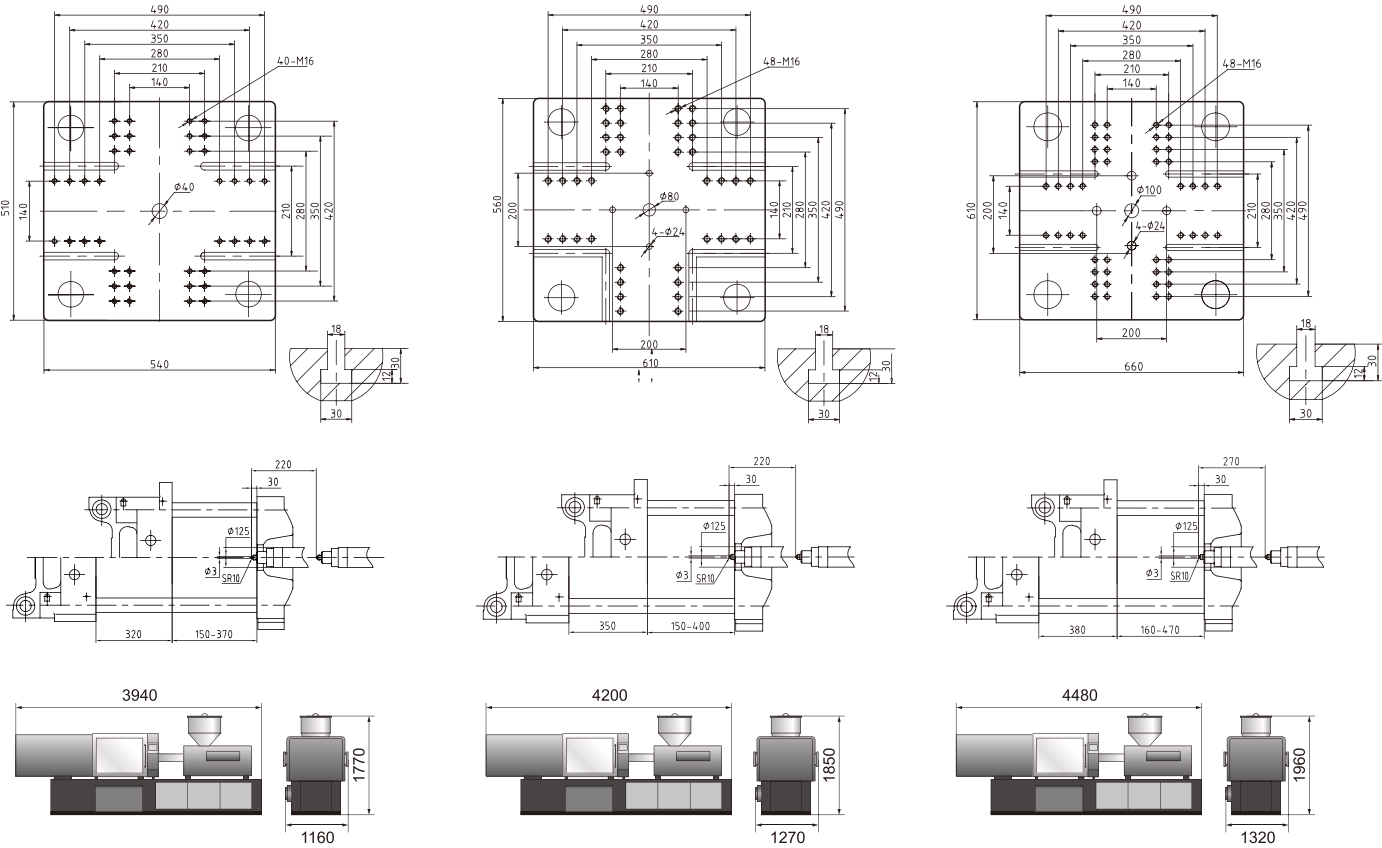
CONTROL SYSTEM

多功能高端触摸屏控制器
系统加速 & 减速性能调整灵敏迅捷
优秀的重复精度展现
智能物联网管理系统兼容

Multi-functional High-end Color Touchscreen Controller
Highly Responsive System Acceleration & Deceleration Adjustment
Exceptional Repeatability Accuracy
CoMPatible with Smart IoT Management Systems

U系列规格参数

国际标准型号			INTERNATIONAL CLASS NO.			90/268				120/358													
U 款规格			TYPE/SPECIFICATION			U/90C				U/120C													
螺杆型式			Screw type			A		B		C		D		A		B		C		D			
注射装置			Injection Unit																				
螺杆直径			Screw diameter			mm		30		32		35		38		32		35		38		42	
螺杆长径比			Screw L/D ratio			L/D		23.5		22		20.1		18.5		24.1		22		20.3		18.4	
理论注射容量			Shot volume (theoretical)			cm³		117		133		160		190		136		163		192		235	
注射重量 (ps)			Injection weight (Ps)			g		106		121		146		173		124		148		175		214	
注射速率			Injection rate			g/s		71		81		97		114		74		89		105		128	
注射压力			Injection pressure			MPa		253		222		186		158		287		240		204		167	
螺杆转速			Screw speed			rpm		225								210							
合模装置			Clamping Unit																				
合模力			Clamping force			kN		900								1200							
移模行程			Open stroke			mm		320								350							
拉杆内间距 (宽 × 高)			Space between tie-bars(W*H)			mm		360×330								410×370							
最大模厚			Max. mould height			mm		370								400							
最小模厚			Min. mould height			mm		150								150							
顶出行程			Ejector stroke			mm		90								120							
顶出力			Ejector force			kN		30								38							
其它			Others																				
最大油泵压力			Pump max. pressure			MPa		17.5								17.5							
电机功率 (伺服)			Pump motor power (servo)			kW		11(11)								13(14)							
电热功率			Heating power			kW		6.8								7.5							
加热段数			Numbers of heating area			Segment		3+1								3+1							
外形尺寸 (长 × 宽 × 高)			Machine dimension (L*W*H)			M		3.94×1.16×1.77								4.2×1.27×1.85							
油箱容积			Oiltank cubage			L		150								160							
机器重量			Machine weight			Ton		2.8								3.5							



90/268

120/358

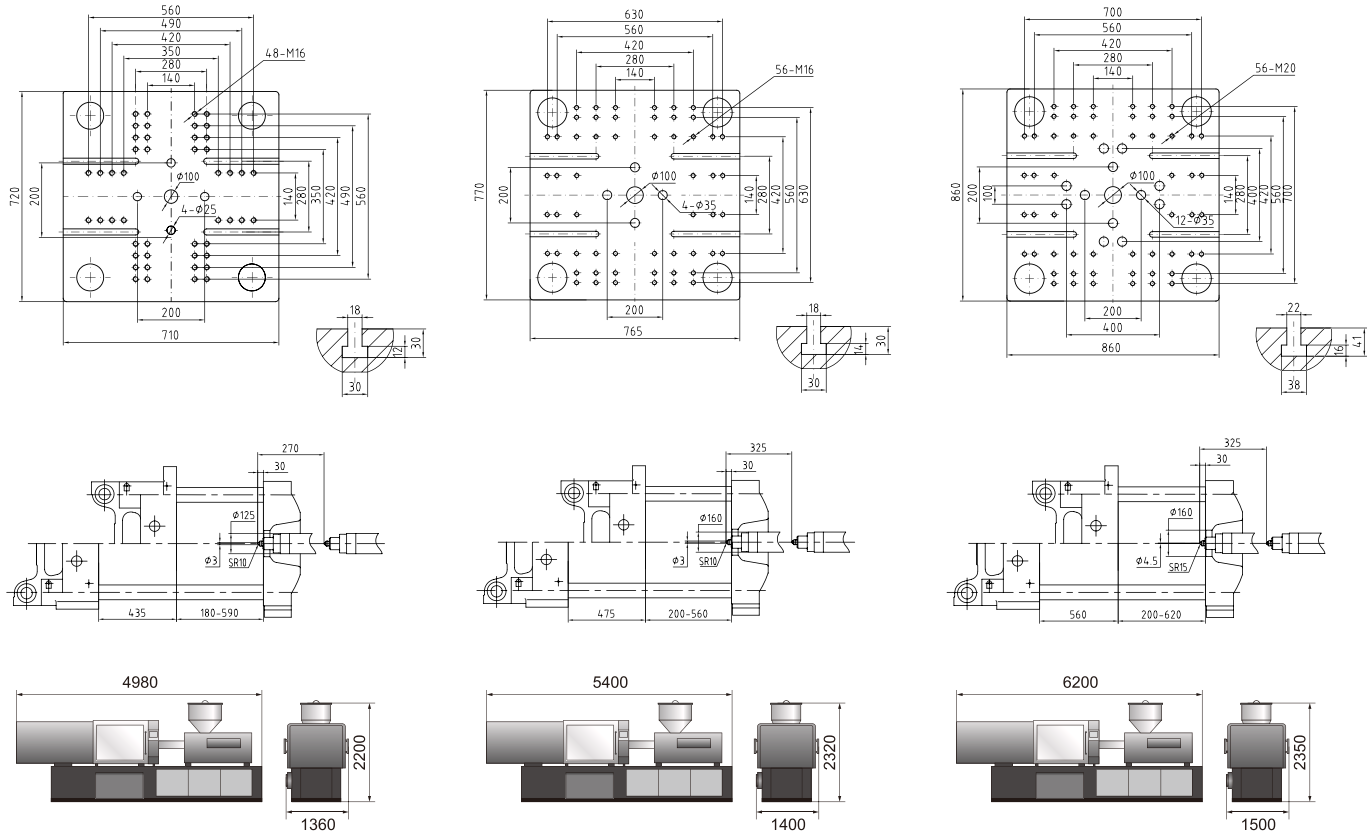
150/478

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We reserve the right to make changes of machine specifications and appearances without notice due to continuous improvement.

U series technical parameters

150/478			180/638			230/828			270/1080		
U/150C			U/180C			U/230B			U/270C		
A	B	C	A	B	C	A	B	C	A	B	C
38	42	45	42	45	50	45	50	55	50	55	60
21	19	17.7	23.6	22	19.8	24.4	22	20	24.2	22	20.2
227	277	318	311	357	441	397	490	593	530	641	763
207	252	289	283	325	401	361	446	540	482	583	694
94	115	132	139	160	198	136	168	203	288	227	270
228	187	163	223	194	157	227	184	152	224	185	155
185			180			155			180		
1500			1800			2300			2700		
380			435			475			560		
460×420			490×470			520×520			580×580		
470			590			560			620		
160			180			200			200		
140			140			150			180		
50			50			70			70		
17.5			17.5			17.5			17.5		
13(18.5)			18.5(23)			18.5(23)			22(29)		
9.3			12.3			14.8			16.8		
3+1			3+1			3+1			3+1		
4.48×1.32×1.96			4.98×1.36×2.2			5.4×1.4×2.32			6.2×1.5×2.35		
200			210			230			310		
4			6			7			8.8		



180/638

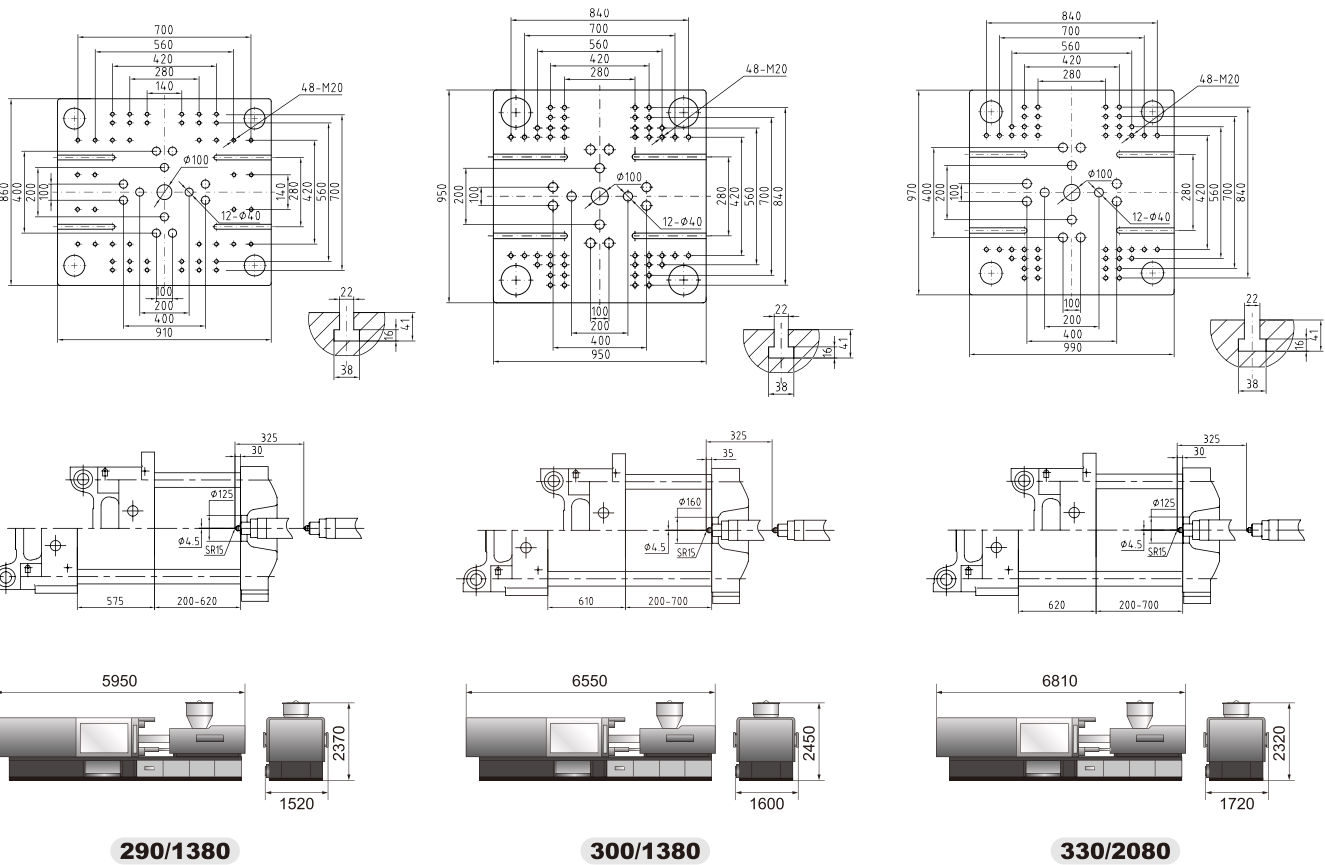
230/828

270/1080



U系列规格参数

国际标准型号			INTERNATIONAL CLASS NO.			290/1380			300/1380			
U 款规格			TYPE/SPECIFICATION			U/290C			U/300C			
螺杆型式			Screw type			A	B	C	A	B	C	
注射装置			Injection Unit									
螺杆直径			Screw diameter			mm	55	60	65	55	60	65
螺杆长径比			Screw L/D ratio			L/D	24	22	20.3	24	22	20.3
理论注射容量			Shot volume (theoretical)			cm³	676	805	945	676	805	945
注射重量 (ps)			Injection weight (Ps)			g	615	733	860	615	733	860
注射速率			Injection rate			g/s	224	266	312	224	266	312
注射压力			Injection pressure			MPa	219	184	157	219	184	157
螺杆转速			Screw speed			rpm	220			220		
合模装置			Clamping Unit									
合模力			Clamping force			kN	2900			3000		
移模行程			Open stroke			mm	575			610		
拉杆内间距 (宽 × 高)			Space between tie-bars(W*H)			mm	630×580			650×650		
最大模厚			Max. mould height			mm	620			700		
最小模厚			Min. mould height			mm	200			200		
顶出行程			Ejector stroke			mm	180			180		
顶出力			Ejector force			kN	70			70		
其它			Others									
最大油泵压力			Pump max. pressure			MPa	17.5			17.5		
电机功率 (伺服)			Pump motor power (servo)			kW	27			30(33)		
电热功率			Heating power			kW	18.3			18.3		
加热段数			Numbers of heating area			Segment	3+1			3+1		
外形尺寸 (长 × 宽 × 高)			Machine dimension (L*W*H)			M	5.95×1.52×2.37			6.55×1.6×2.45		
油箱容积			Oiltank cubage			L	285			360		
机器重量			Machine weight			Ton	9.5			10		

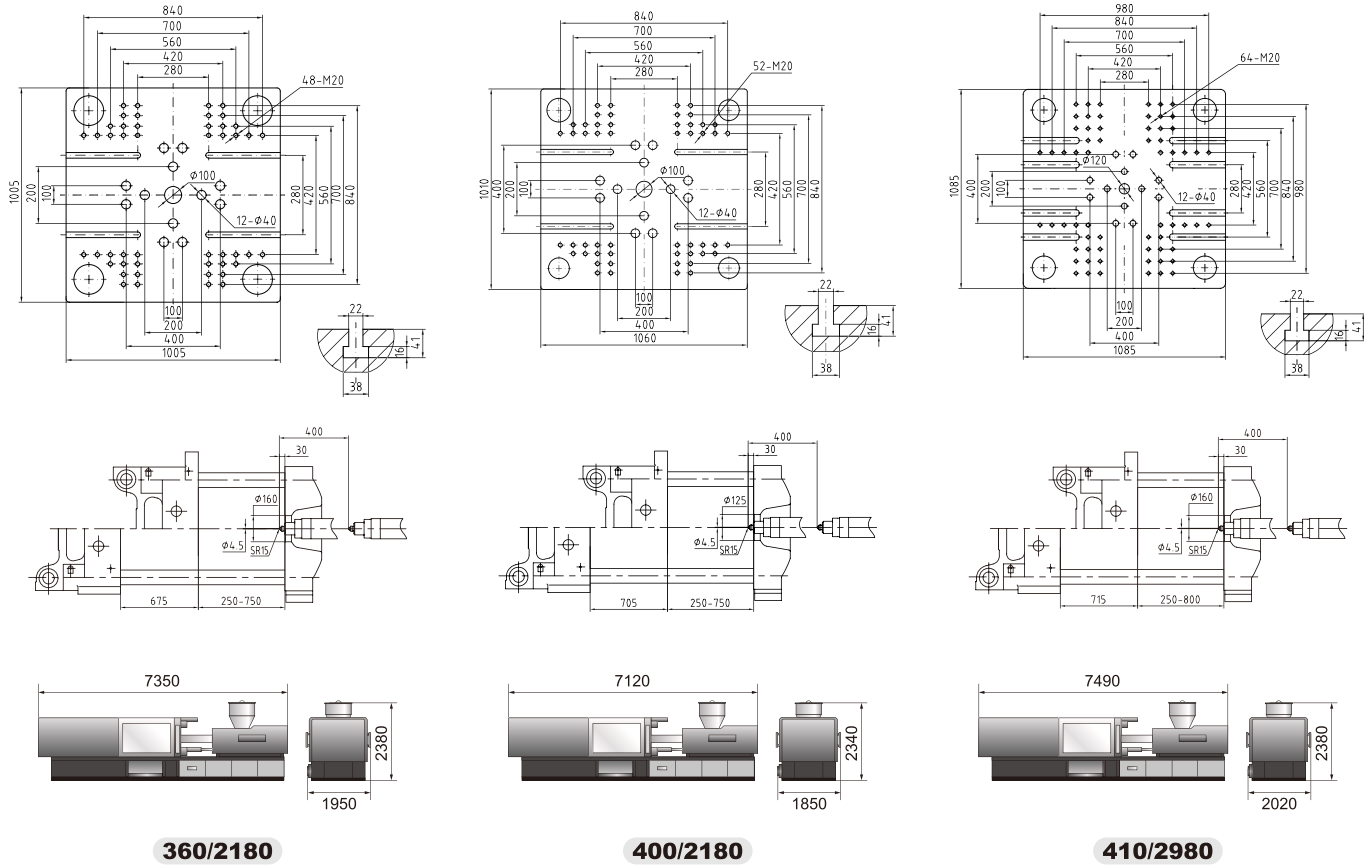


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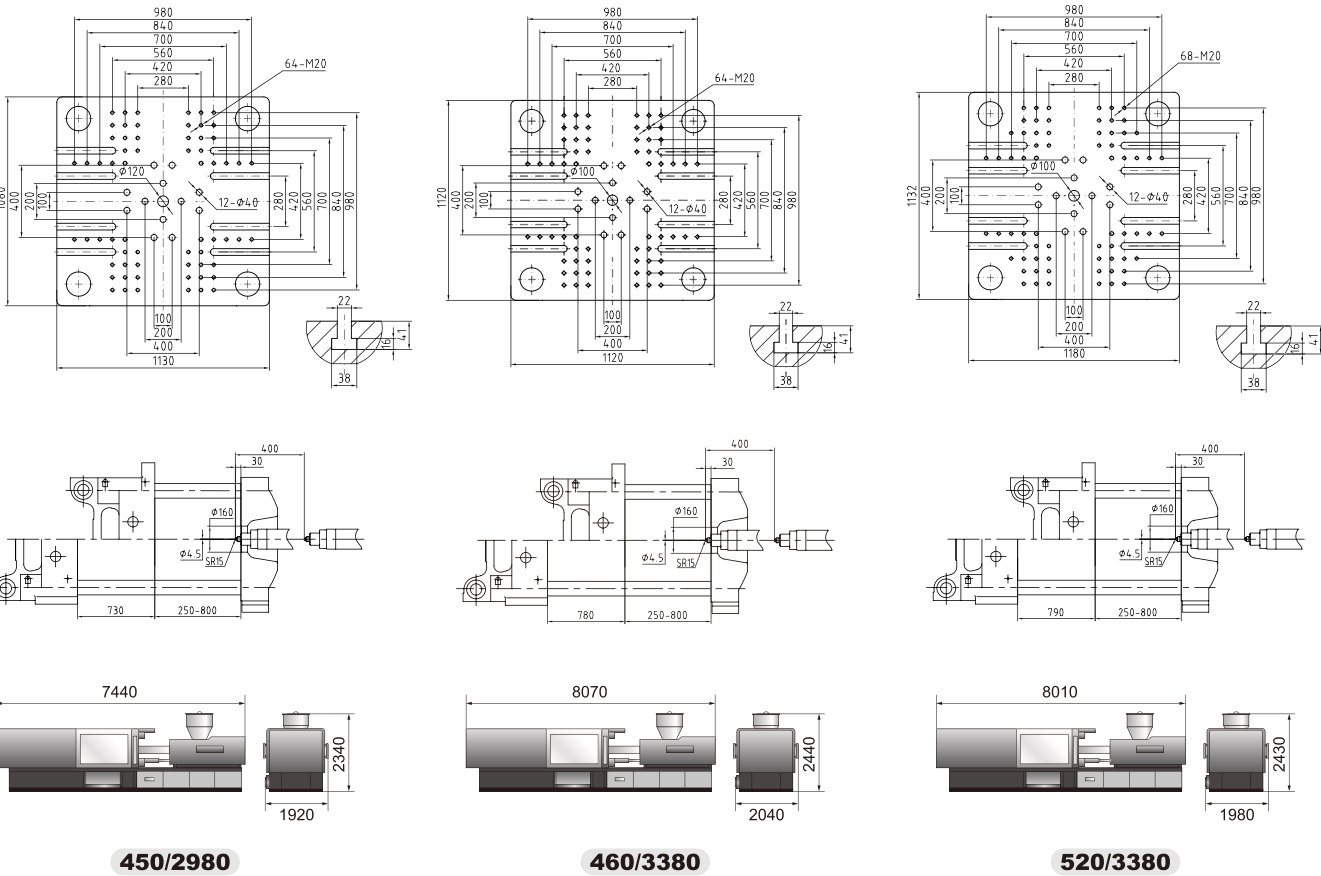
U series technical parameters

330/2080			360/2180				400/2180			410/2980			
U/330C			U/360C				U/400C			U/410C			
A	B	C	A	B	C	D	A	B	C	A	B	C	D
60	67	70	60	67	70	75	67	70	75	70	75	80	85
24.6	22	21.1	24.6	22	21.1	19.7	22	21.1	19.7	23.6	22	20.7	19.4
947	1181	1289	947	1181	1289	1480	1181	1289	1480	1501	1723	1960	2213
862	1075	1173	862	1075	1173	1347	1075	1173	1347	1366	1568	1784	2014
264	330	360	278	346	378	434	346	378	434	335	384	438	493
218	175	160	250	201	184	160	201	184	160	218	190	167	148
200			200				200			150			
3300			3600				4000			4100			
620			675				705			715			
680×660			680×680				730×680			730×730			
700			750				750			800			
200			250				250			250			
180			180				180			180			
70			70				70			90			
17.5			17.5				17.5			17.5			
31			37(45.2)				42			37(45.2)			
24.7			24.7				24.7			29.3			
4+1			4+1				4+1			5+1			
6.81×1.72×2.32			7.35×1.95×2.38				7.12×1.85×2.34			7.49×2.02×2.38			
285			510				295			560			
10.9			14				15			16			



U系列规格参数

国际标准型号			INTERNATIONAL CLASS NO.			450/2980			460/3380				
U 款规格			TYPE/SPECIFICATION			U/450C			U/460D				
螺杆型式			Screw type			A	B	C	A	B	C	D	
注射装置			Injection Unit										
螺杆直径			Screw diameter			mm	75	80	85	75	80	85	90
螺杆长径比			Screw L/D ratio			L/D	22	20.7	19.4	22	20.6	19.4	18.3
理论注射容量			Shot volume (theoretical)			cm³	1723	1960	2213	1767	2010	2269	2544
注射重量 (ps)			Injection weight (Ps)			g	1568	1784	2014	1608	1829	2065	2315
注射速率			Injection rate			g/s	384	438	493	356	405	457	513
注射压力			Injection pressure			MPa	190	167	148	209	184	163	145
螺杆转速			Screw speed			rpm	150			160			
合模装置			Clamping Unit										
合模力			Clamping force			kN	4500			4600			
移模行程			Open stroke			mm	730			780			
拉杆内间距 (宽 × 高)			Space between tie-bars(W*H)			mm	780×730			780×780			
最大模厚			Max. mould height			mm	800			800			
最小模厚			Min. mould height			mm	250			250			
顶出行程			Ejector stroke			mm	180			220			
顶出力			Ejector force			kN	90			110			
其它			Others										
最大油泵压力			Pump max. pressure			MPa	17.5			17.5			
电机功率 (伺服)			Pump motor power (servo)			kW	42			45(52)			
电热功率			Heating power			kW	29.3			29.3			
加热段数			Numbers of heating area			Segment	5+1			5+1			
外形尺寸 (长 × 宽 × 高)			Machine dimension (L*W*H)			M	7.44×1.92×2.34			8.07×2.04×2.44			
油箱容积			Oiltank cubage			L	305			590			
机器重量			Machine weight			Ton	17			18			

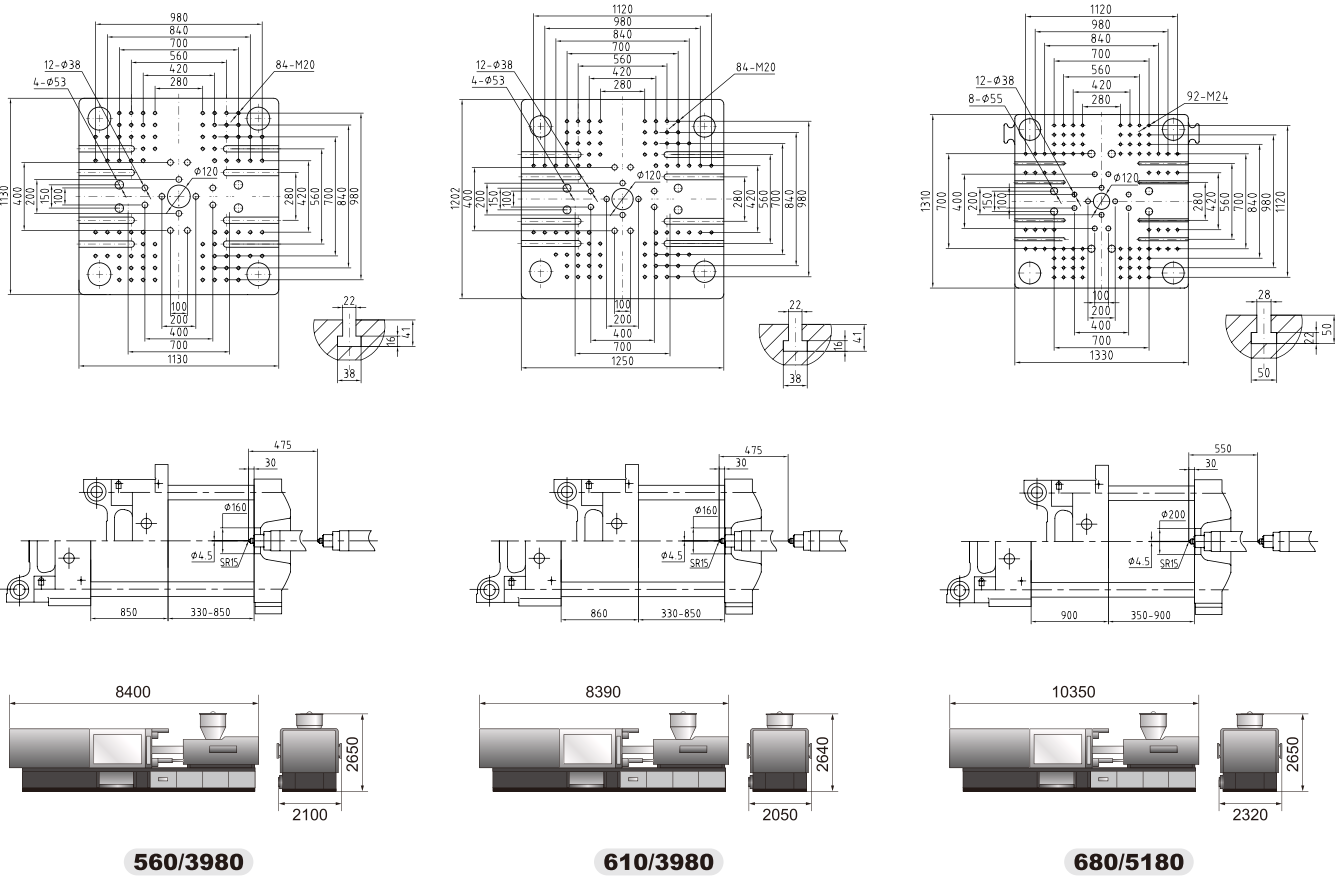


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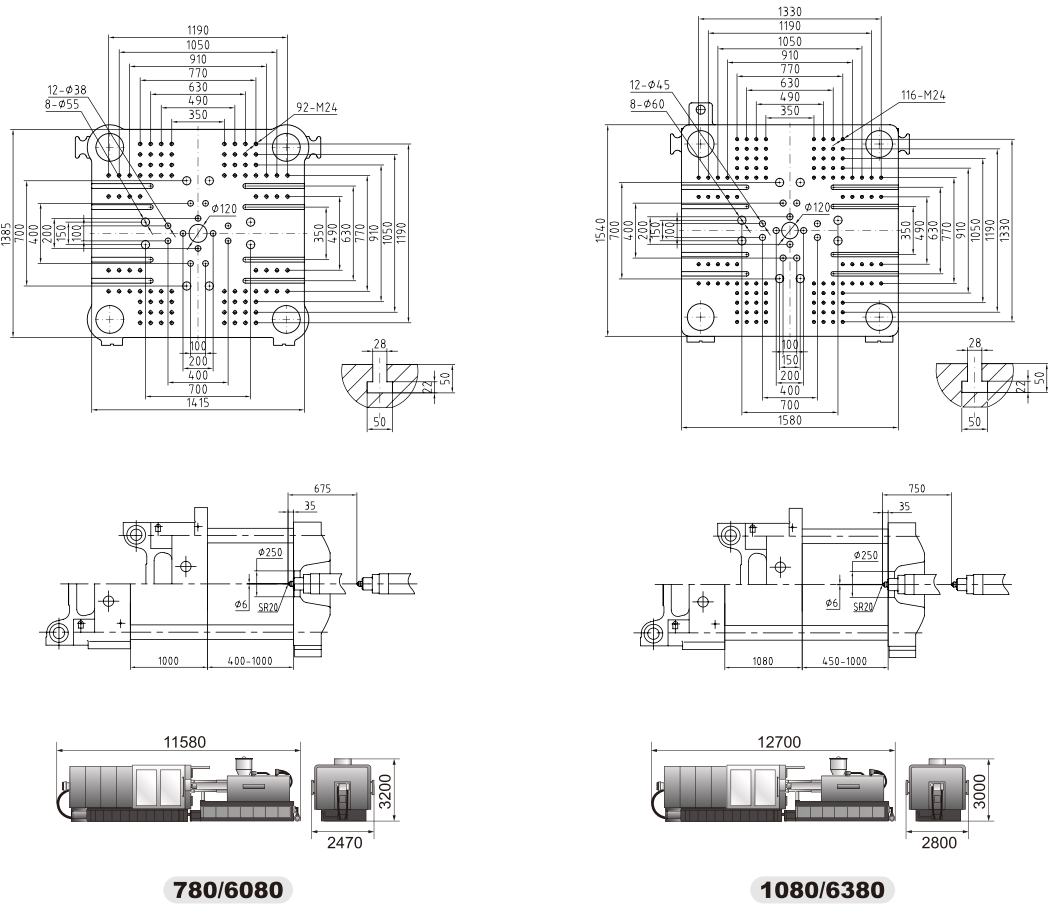
U series technical parameters

520/3380			560/3980				610/3980			680/5180			
U/520C			U/560D				U/610C			U/680C			
A	B	C	A	B	C	D	A	B	C	A	B	C	D
80	85	90	80	85	90	100	85	90	100	90	95	100	105
20.6	19.4	18.3	22	20.7	19.6	17.6	20.7	19.6	17.6	23.2	22	20.9	19.9
2010	2269	2544	2212	2497	2799	3456	2497	2799	3456	2926	3260	3612	3982
1829	2065	2315	2013	2272	2547	3145	2272	2547	3145	2663	2967	3287	3624
405	457	513	443	500	561	692	500	561	692	549	612	678	747
184	163	145	196	174	155	126	174	155	126	194	174	157	142
160			130				130			150			
5200			5600				6100			6800			
790			850				860			900			
830×780			830×830				880×830			910×895			
800			850				850			900			
250			330				330			350			
220			240				240			250			
110			150				150			150			
17,5			17.5				17.5			17.5			
42			55(58)				51			30+37(66)			
29.3			31.4				31.4			42.95			
5+1			5+1				5+1			5+1			
8.01×1.98×2.43			8.4×2.1×2.65				8.39×2.05×2.64			10.35×2.32×2.65			
485			690				515			780			
19			20				22			29			



U系列规格参数

国际标准型号			INTERNATIONAL CLASS NO.		780/6080				1080/6380				
U 款规格			TYPE/SPECIFICATION		U/780C				U/1080C				
螺杆型式			Screw type		A	B	C	D	A	B	C	D	
注射装置			Injection Unit										
螺杆直径			Screw diameter		mm	90	95	105	110	90	100	110	120
螺杆长径比			Screw L/D ratio		L/D	23.2	22	19.9	19	25.6	23	20.9	19.2
理论注射容量			Shot volume (theoretical)		cm³	3085	3437	4199	4608	3180	3927	4750	5655
注射重量 (ps)			Injection weight (Ps)		g	2807	3128	3821	4193	2895	3574	4320	5145
注射速率			Injection rate		g/s	574	640	782	858	581	717	868	1033
注射压力			Injection pressure		MPa	214	192	157	143	240	194	160	134
螺杆转速			Screw speed		rpm	115				100			
合模装置			Clamping Unit										
合模力			Clamping force		kN	7800				10800			
移模行程			Open stroke		mm	1000				1080			
拉杆内间距 (宽 × 高)			Space between tie-bars(W*H)		mm	1010×980				1125×1080			
最大模厚			Max. mould height		mm	1000				1100			
最小模厚			Min. mould height		mm	400				450			
顶出行程			Ejector stroke		mm	300				340			
顶出力			Ejector force		kN	210				248			
其它			Others										
最大油泵压力			Pump max. pressure		MPa	17.5				17.5			
电机功率 (伺服)			Pump motor power (servo)		kW	37+37(79)				37+45(91)			
电热功率			Heating power		kW	56.7				59			
加热段数			Numbers of heating area		Segment	6+1				6+1			
外形尺寸 (长 × 宽 × 高)			Machine dimension (L*W*H)		M	11.58×2.47×3.2				12.7×2.8×3			
油箱容积			Oiltank cubage		L	880				1100			
机器重量			Machine weight		Ton	40				53			

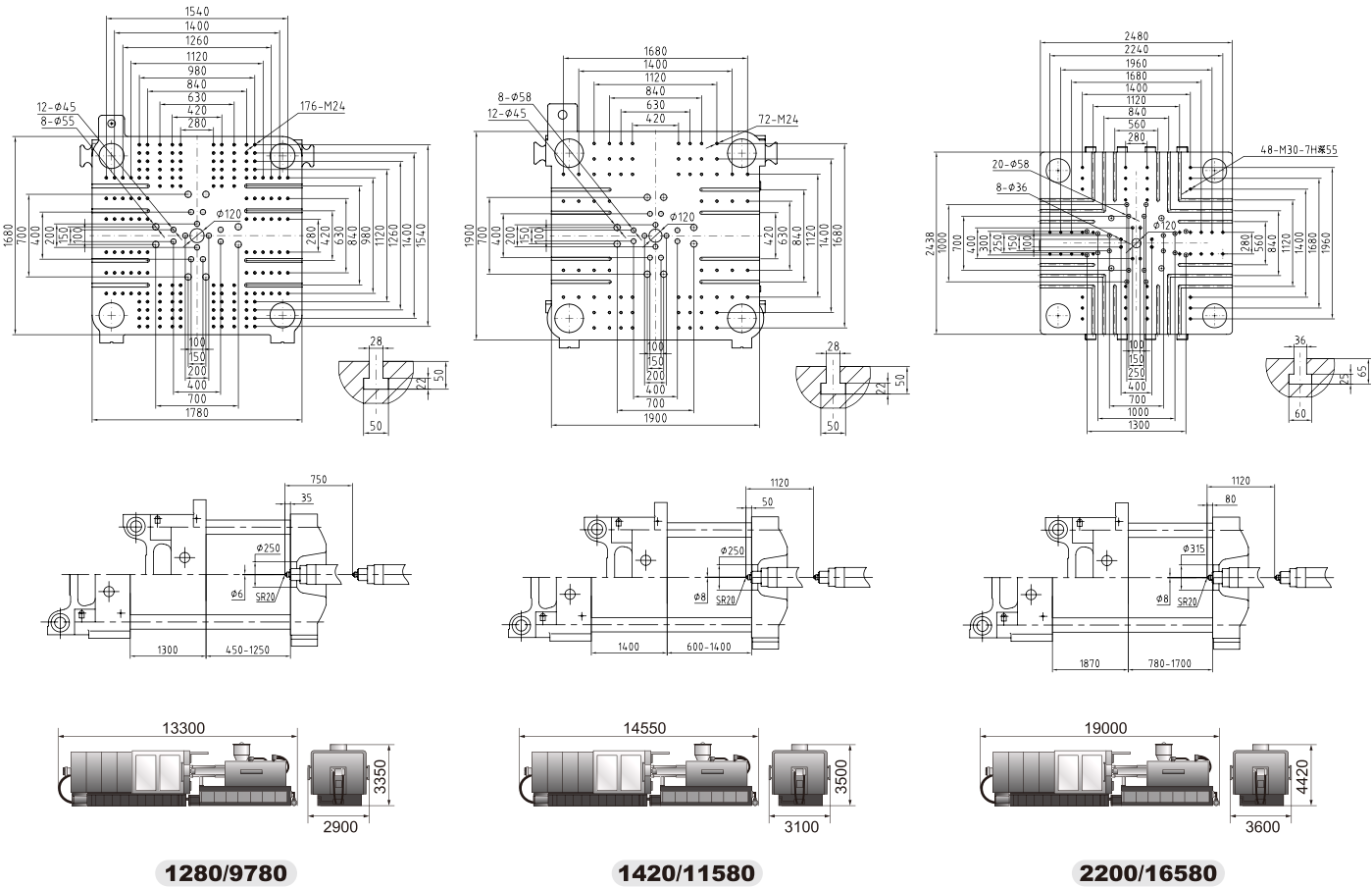


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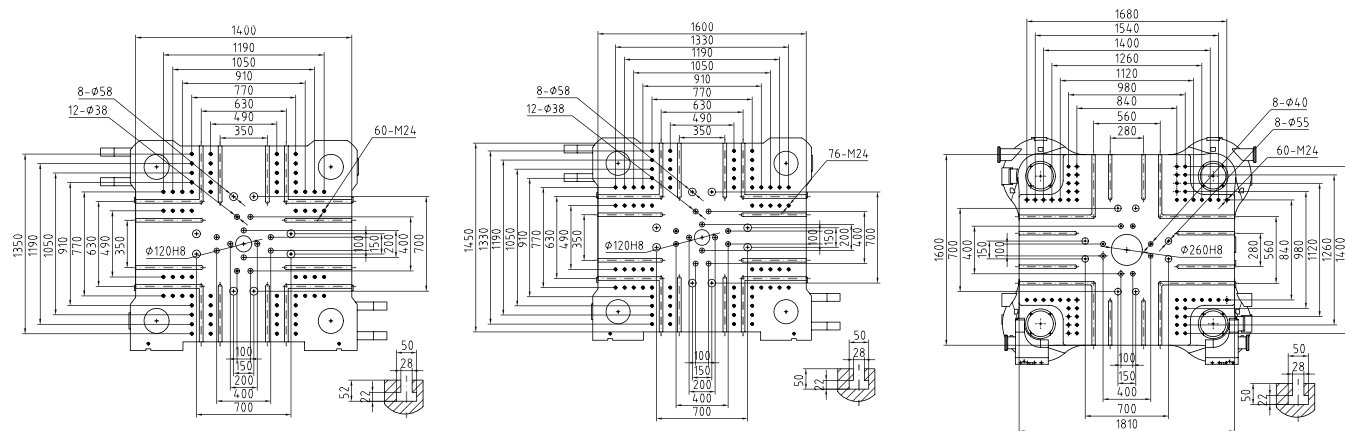
U series technical parameters

1280/9780				1420/11580				2200/16580		
U/1280C				U/1420C				U/2200C		
A	B	C	D	A	B	C	D	A	B	C
110	115	120	125	110	120	130	140	150	160	170
23	22	21.1	20.3	25.1	23	21.2	19.7	23.5	22	20.7
5270	5760	6272	6806	5892	7012	8230	9544	13900	15800	17900
4796	5242	5708	6193	5362	6380	7488	8685	12688	14436	16297
793	867	944	1024	752	895	1050	1218	1315	1496	1689
203	186	171	158	224	188	160	138	173	152	134
90				90				75		
12800				14200				22000		
1300				1400				1870		
1260×1160				1350×1280				1750×1600		
1250				1400				1700		
450				600				780		
360				360				420		
248				320				490		
17.5				17.5				17.5		
45+55(99)				55+55(116)				45+55+55(168)		
66.1				86				114		
6+1				7+1				9+1		
13.3×2.9×3.35				14.55×3.1×3.5				19×3.6×4.42		
1150				1330				1370		
58				90				140		



Z系列二板注塑机规格参数

国际标准型号	INTERNATIONAL CLASS NO.		680/5180				750/6080				1180/9780			
Z 款规格	TYPE/SPECIFICATION		Z/680				Z/750				Z/1180			
螺杆型式	Screw type		A	B	C	D	A	B	C	D	A	B	C	D
注射装置	Injection Unit													
螺杆直径	Screw diameter	mm	90	95	100	105	90	95	105	110	110	115	120	125
螺杆长径比	Screw L/D ratio	L/D	23.2	22	20.9	19.9	23.2	22	19.9	19	23	22	21.1	20.3
理论注射容量	Shot volume (theoretical)	cm ³	2926	3260	3612	3982	3085	3437	4199	4608	5270	5760	6272	6806
注射重量 (ps)	Injection weight (Ps)	g	2663	2967	3287	3624	2807	3128	3821	4193	4796	5242	5708	6193
注射速率	Injection rate	g/s	579	645	715	788	574	640	782	858	793	867	944	1024
注射压力	Injection pressure	MPa	194	174	157	142	214	192	157	143	203	186	171	158
螺杆转速	Screw speed	rpm	150				115				90			
合模装置	Clamping Unit													
合模力	Clamoing force	kN	6800				7500				11800			
拉杆内间距 (宽×高)	Space between tiebars(W×H)	mm	1040×910				1110×960				1260×1050			
最大模厚	Max.Mould height	mm	950				1000				1200			
最小模厚	Min.Mould height	mm	350				400				450			
顶出行程	Ejector stroke	mm	250				300				350			
顶出力	Ejector force	kN	150				210				248			
最大开距	Max.Daylight	mm	1750				1850				2300			
移模行程	Mould Opening Stroke	mm	1400/800				1450/850				1850/1100			
最大装模重量	Max. mold weight	t	9.5				11				16			
其它	Others													
最大油泵压力	Pump max. pressure	MPa	21/17.5				21/17.5				21/17.5			
油泵马达功率	Pump motor power	kW	30+37+7.5				37+37+7.5				45+55+11			
电热功率	Heating power	kW	42.95				56.7				66.1			
加热段数	Numbers of heating area	Segment	5+1				6+1				6+1			
外形尺寸 (长×宽×高)	Machine dimension (L*W*H)	M	7.4×2.6×2.98				8.7×2.5×3.2				10.1×2.95×3.1			
油箱容积	Oiltank cubage	L	770				900				1100			
机器重量	Machine weight	Ton	27				31				48			



680/5180

750/6080

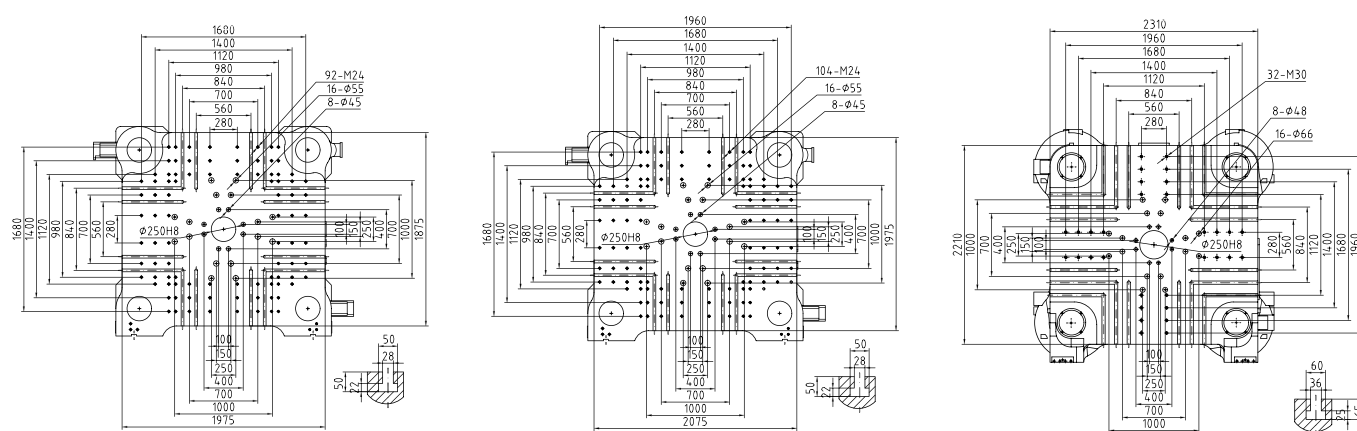
1180/9780

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Z-Series Two-Platen Injection Molding Machine Specifications

1380/11580				1500/11580				1700/13780			
Z/1380				Z/1500				Z/1700			
A	B	C	D	A	B	C	D	A	B	C	D
110	120	130	140	110	120	130	140	120	130	140	150
25.1	23	21.2	19.7	25.1	23	21.2	19.7	26	24	22.3	20.8
5559	6616	7765	9006	5892	7012	8229	9544	7125	8362	9698	11133
5059	6021	7066	8195	5362	6381	7488	8685	6484	7609	8825	10131
752	895	1050	1218	752	895	1050	1218	1057	1240	1438	1651
224	188	160	138	224	188	160	138	194	165	142	124
90				90				95			
13800				15000				17000			
1380×1280				1480×1380				1580×1480			
1400				1450				1700			
600				700				700			
350				400				400			
248				280				280			
2900				3100				3365			
2300/1500				2400/1650				2665/1665			
23				27				33			
21/17.5				21/17.5				21/17.5			
55+55+11				55+55+11				45+45+55+11			
86				86				94.9			
7+1				7+1				8+1			
11.7×3.55×4.2				12.5×3.65×4.3				13.2×3.8×4.9			
1200				1300				1400			
65				75				90			



1380/11580

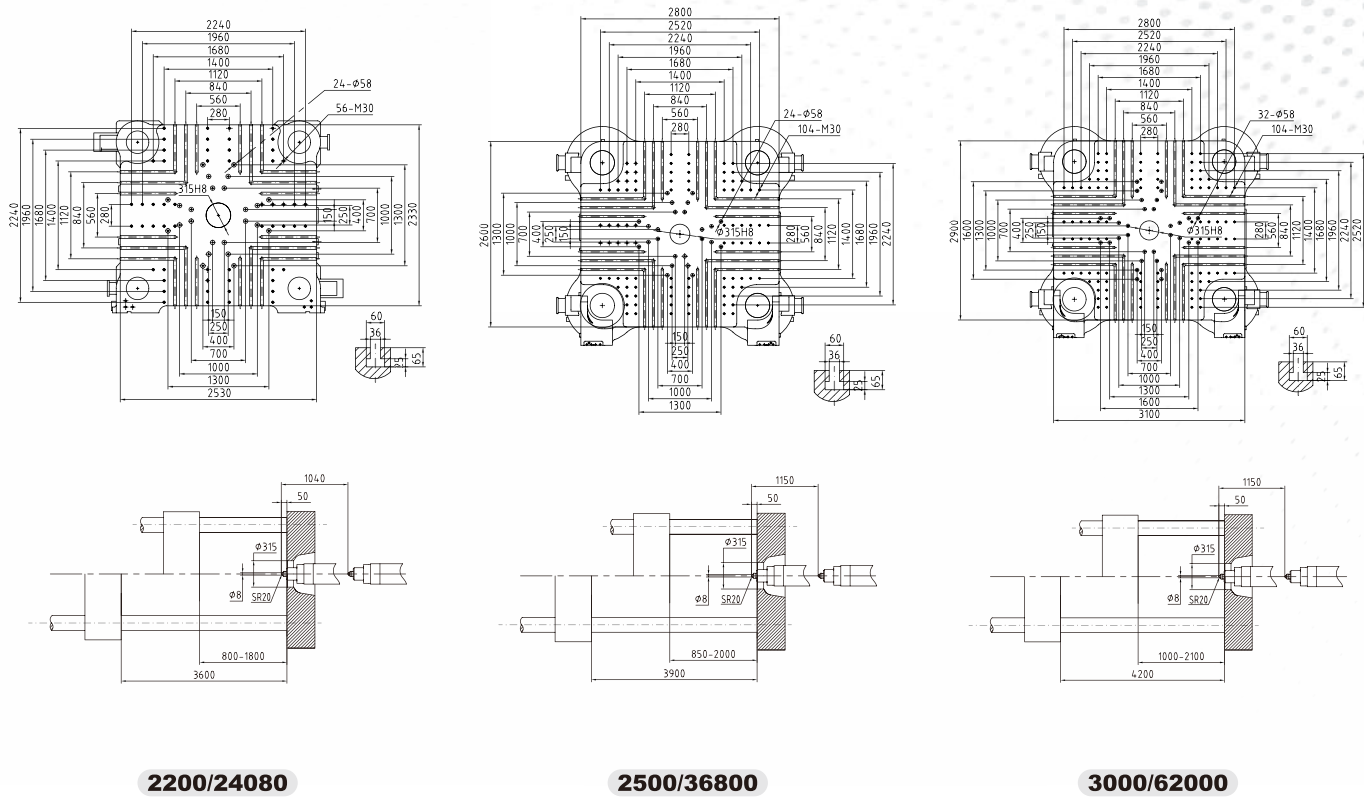
1500/11580

1700/13780



Z系列二板注塑机规格参数

国际标准型号			INTERNATIONAL CLASS NO.			2200/24080			2500/36800			3000/62000		
Z 款规格			TYPE/SPECIFICATION			Z/2200			Z/2500			Z/3000		
螺杆型式			Screw type			A	B	C	A	B	C	A	B	C
注射装置			Injection Unit											
螺杆直径			Screw diameter mm			150	160	170	170	180	200	180	210	220
螺杆长径比			Screw L/D ratio L/D			23.5	22	20.7	21	21	21	24.8	23.8	22.7
理论注射容量			Shot volume (theoretical) cm³			13887	15800	17837	19747	22138	27331	29390	40003	43904
注射重量 (ps)			Injection weight (Ps) g			12637	14378	16232	17970	20146	24871	26745	36403	39953
注射速率			Injection rate g/s			1315	1496	1689	1427	1600	1975	1616	2200	2415
注射压力			Injection pressure MPa			173	152	135	147	131	106	207	152	138
螺杆转速			Screw speed rpm			75			65			50		
合模装置			Clamping Unit											
合模力			Clamoing force kN			22000			25000			30000		
拉杆内间距 (宽×高)			Space between tiebars(W×H) mm			1800×1600			1900×1700			2080×1880		
最大模厚			Max.Mould height mm			1800			2000			2100		
最小模厚			Min.Mould height mm			800			850			1000		
顶出行程			Ejector stroke mm			450			450			500		
顶出力			Ejector force kN			400			400			500		
最大开距			Max.Daylight mm			3600			3900			4200		
移模行程			Mould Opening Stroke mm			2800/1800			3050/1900			3200/2100		
最大装模重量			Max. mold weight t			50			59			66		
其它			Others											
最大油泵压力			Pump max. pressure MPa			21/17.5			21/17.5			21/17.5		
油泵马达功率			Pump motor power kW			45+55+55+11			55+55+55+11			55+55+55+55+11		
电热功率			Heating power kW			114			137			194		
加热段数			Numbers of heating area Segment			9+1			10+1			10+1		
外形尺寸 (长×宽×高)			Machine dimension (L*W*H) M			13.5×4.0×4.9			16×4.6×5.2			18.9×4.9×5		
油箱容积			Oiltank cubage L			1500			2400			3100		
机器重量			Machine weight Ton			115			145			165		



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U系列PVC规格参数

国际标准型号 INTERNATIONAL CLASS NO.			150/478	150/638	180/638	180/828	230/828	230/2180	270/1080	270/2180
U 款规格	TYPE/SPECIFICATION		U/150V		U/180V		U/230V		U/270V	
注射装置	Injection Unit									
螺杆直径	Screw diameter	mm	45	50	50	55	55	75	60	75
螺杆长径比	Screw L/D ratio	L/D	17.7	19.8	19.8	20	20	19.7	20.2	19.7
理论注射容量	Shot volume (theoretical)	cm³	318	441	441	593	593	1480	763	1480
注射重量 (ps)	Injection weight (Ps)	g	405	562	562	755	755	1886	972	1886
注射速率	Injection rate	g/s	185	277	277	284	284	608	378	608
注射压力	Injection pressure	MPa	163	157	157	152	152	160	155	160
螺杆转速	Screw speed	rpm	120	120	120	110	110	120	120	120
合模装置	Clamping Unit									
合模力	Clamping force	kN	1500		1800		2300		2700	
移模行程	Open stroke	mm	380		435		475		560	
拉杆内间距(宽×高)	Space between tie-bars(W*H)	mm	460×420		490×470		520×520		580×580	
最大模厚	Max. mould height	mm	470		590		560		620	
最小模厚	Min. mould height	mm	160		180		200		200	
顶出行程	Ejector stroke	mm	140		140		150		180	
顶出力	Ejector force	kN	50		50		70		70	
其它	Others									
最大油泵压力	Pump max. pressure	MPa	17.5		17.5		17.5		17.5	
电机功率 (伺服)	Pump motor power (servo)	kW	13(18.5)	18.5(23)	18.5(23)	18.5(23)	18.5(23)	37(45.2)	22(29)	37(45.2)
电热功率	Heating power	kW	9.3	12.3	12.3	14.8	14.8	24.7	16.8	24.7
加热段数	Numbers of heating area	Segment	3+1	3+1	3+1	3+1	3+1	4+1	3+1	4+1
外形尺寸(长×宽×高)	Machine dimension (L*W*H)	M	4.6×1.45×2.1		5.15×1.52×2.2		5.75×1.52×2.28		6.2×1.65×2.35	
油箱容积	Oil tank cubage	L	200		210		230		310	

U系列PET规格参数

国际标准型号 INTERNATIONAL CLASS NO.			150/478	150/638	180/638	180/828	230/828	230/2180	270/1080	270/2180
U 款规格	TYPE/SPECIFICATION		U/150E		U/180E		U/230E		U/270E	
注射装置	Injection Unit									
螺杆直径	Screw diameter	mm	45	50	50	55	55	65	60	75
螺杆长径比	Screw L/D ratio	L/D	25	25	25	25	25	25	25	25
理论注射容量	Shot volume (theoretical)	cm³	318	441	441	593	593	945	763	1480
注射重量 (ps)	Injection weight (Ps)	g	396	550	550	739	739	1178	951	1845
注射速率	Injection rate	g/s	181	271	271	278	278	427	370	595
注射压力	Injection pressure	MPa	163	157	157	152	152	157	155	160
螺杆转速	Screw speed	rpm	150	140	140	125	125	160	150	160
合模装置	Clamping Unit									
合模力	Clamping force	kN	1500		1800		2300		2700	
移模行程	Open stroke	mm	38		435		475		560	
拉杆内间距(宽×高)	Space between tie-bars(W*H)	mm	460×420		490×470		520×520		580×580	
最大模厚	Max. mould height	mm	470		590		560		620	
最小模厚	Min. mould height	mm	160		180		200		200	
顶出行程	Ejector stroke	mm	140		140		150		180	
顶出力	Ejector force	kN	50		70		70		90	
其它	Others									
最大油泵压力	Pump max. pressure	MPa	17.5		17.5		17.5		17.5	
电机功率 (伺服)	Pump motor power (servo)	kW	13(18.5)	18.5(23)	18.5(23)	18.5(23)	18.5(23)	30(33)	22(29)	37(45.2)
电热功率	Heating power	kW	9.3	12.3	12.3	14.8	14.8	18.3	16.8	24.7
加热段数	Numbers of heating area	Segment	3+1	3+1	3+1	3+1	3+1	3+1	3+1	4+1
外形尺寸(长×宽×高)	Machine dimension (L*W*H)	M	4.6×1.45×2.1		5.15×1.52×2.2		5.75×1.52×2.28		6.2×1.65×2.35	
油箱容积	Oil tank cubage	L	200		210		230		310	

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U series PVC technical parameters

300/1380	300/2980	360/2180	360/3380	410/2980	410/3980	460/3380	460/5180	560/3980	560/6080	680/5180	680/9780
U/300V		U/360V		U/410V		U/460V		U/560V		U/680V	
65	85	75	90	85	100	90	105	100	110	105	125
20.3	19.5	19.7	18.3	19.4	17.6	18.3	19.9	17.6	19	19.9	20.3
945	2213	1480	2544	2213	3456	2544	3982	3456	4608	3982	6806
1204	2819	1886	3241	2819	4403	3241	5073	4403	5871	5073	8671
437	690	608	717	690	969	717	1046	1001	1201	1046	1434
157	148	160	145	148	126	145	142	126	143	142	158
130	100	120	100	100	80	100	80	80	60	80	50
3000		3600		4100		4600		5600		6800	
610		675		715		780		850		900	
650×650		680×680		730×730		780×780		830*830		910×895	
700		750		800		800		850		900	
200		250		250		250		330		350	
180		180		180		220		240		250	
70		70		90		110		150		150	
17.5		17.5		17.5		17.5		17.5		17.5	
30(33)	37(45.2)	37(45.2)	45(52)	37(45.2)	55(58)	45(52)	30+37(66)	55(58)	37+37(79)	30+37(66)	45+45(99)
18.3	29.3	24.7	29.3	29.3	31.4	29.3	42.95	31.4	56.7	42.95	66.1
3+1	5+1	4+1	5+1	5+1	5+1	5+1	5+1	5+1	6+1	5+1	6+1
6.55×1.72×2.45		7.7×1.95×2.55		7.85×2.05×2.6		8.45×2.1×2.8		8.45×2.15×2.84		11×2.35×2.89	
360		510		560		590		690		780	



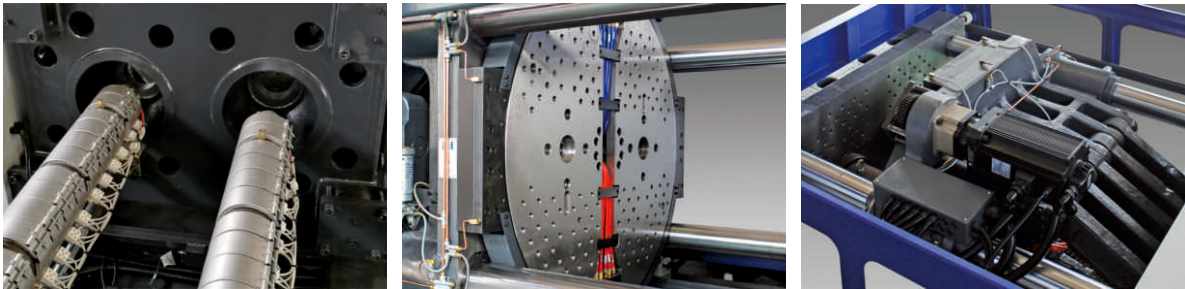
U series PET technical parameters

300/1380	300/2180	360/2180	360/3380	410/2980	410/3980	460/3380	460/5180	560/3980	560/6080
U/300E		U/360E		U/410E		U/460E		U/560E	
65	75	75	90	85	100	90	105	100	110
25	25	25	25	25	25	25	25	25	25
945	1480	1480	2544	2213	3456	2544	3982	3456	4608
1178	1845	1845	3172	2759	4309	3172	4964	4309	5745
427	595	595	701	675	980	701	1080	980	1175
157	160	160	145	148	126	145	142	126	143
160	160	160	130	130	100	130	115	100	90
3000		3600		4100		4600		5600	
610		675		715		780		850	
650×650		680×680		730×730		780×780		830×830	
700		750		800		800		850	
200		250		250		250		330	
180		180		180		220		240	
90		110		110		150		210	
17.5		17.5		17.5		17.5		17.5	
30(33)	37(45.2)	37(45.2)	45(52)	37(45.2)	55(58)	45(52)	30+37(66)	55(58)	37+37(79)
18.3	24.7	24.7	29.3	29.3	31.4	29.3	42.95	31.4	56.7
3+1	4+1	4+1	5+1	5+1	5+1	5+1	5+1	5+1	6+1
6.55×1.72×2.45		7.7×1.95×2.55		7.85×2.05×2.6		8.45×2.1×2.8		8.45×2.15×2.84	
360		510		560		590		690	

S系列清双色机规格参数

国际标准型号		INTERNATIONAL CLASS NO.	S150A				S170A			
规格	TYPE/SPECIFICATION		注 Injection 1(268)		注 Injection 2(158)		注 Injection 1(358)		注 Injection 1(268)	
螺杆型式	Screw type		A	B	A	B	A	B	A	B
注射装置	Injection Unit									
螺杆直径	Screw diameter	mm	30	32	26	28	35	38	32	35
螺杆长径比	Screw L/D ratio	L/D	23.5	22	25.4	24	22	20.3	22	20.1
理论注射容量	Shot volume (theoretical)	cm³	117	133	68	78	136	192	133	160
注射重量 (ps)	Injection weight (Ps)	g	106	121	62	70	148	175	121	146
注射速率	Injection rate	g/s	71	81	54.8	62	89	105	81	97
注射压力	Injection pressure	MPa	230	203	245	195	219	186	203	170
螺杆转速	Screw speed	rpm	0-225		0-215		0-210		0-225	
合模装置	Clamping Unit									
合模力	Clamping force	kN	1500				1700			
移模行程	Open stroke	mm	350				435			
转盘直径	Diameter of rotational mold adapter	mm	Φ660				Φ730			
拉杆内间距 (宽 × 高)	Space between tie-bars(W*H)	mm	620×410				700×420			
最大模厚	Max. mould height	mm	430				450			
最小模厚	Min. mould height	mm	120				150			
顶出行程	Ejector stroke	mm	100				100			
顶出力	Ejector force	kN	30×2				30×2			
模具定位中心距	Distance between molds positing center	mm	350				420			
其它	Others									
最大油泵压力	Pump max. pressure	MPa	17.5				17.5			
电机功率 (伺服)	Pump motor power (servo)	kW	11		7.5		13		11	
电热功率	Heating power	kW	6.8		6.8		7.5		6.8	
外形尺寸 (长 × 宽 × 高)	Machine dimension (L*W*H)	M	5.2×1.7×1.8				5.4×1.9×2.0			
机器重量	Machine weight	Ton	5.2				7			

S系列主要特性



模开后 / 动模配有 180°旋转盘装置，采用高精伺服马达驱动旋转，回转定位准确、敏捷。
机能 / 双组份异类料注射装置的同步注射，适用分清双色 & 夹芯填充料制品加工生产。

S series main features

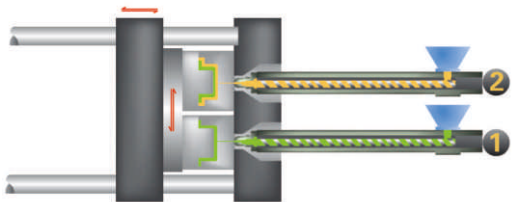
When the mold opens, the moving platen is equipped with 180° rotary table unit, by using hydraulic motor or servo motor to drive the rotation, it can make rotary table positioning accurately and quickly.
Machine functions/the synchronous injection of bi-component heterogeneous materials injection unit is suitable for the processing and manufacturing of dual color & sandwich material products.

说明：鉴于技术的改进，公司保留对技术参数和产品外观更改的权利，恕不另行通知。

We reserve the right to make changes of machine specifications and appearances without notice due to continuous improvement.

S series dual color machine technical parameters

S270A				S360A				S550A			
注 Injection 1(358)		注 Injection 2(478)		注 Injection 1(828)		注 Injection 1(478)		注 Injection 1(1380)		注 Injection 1(638)	
A	B	A	B	A	B	A	B	A	B	A	B
32	35	38	42	45	50	3B	42	55	60	42	45
24.1	22	24.3	22	24.4	22	24.3	22	24	22	23.6	22
136	163	227	277	397	490	227	277	676	805	311	357
124	148	207	252	361	446	207	252	615	733	283	325
74	89	94	115	136	168	94	115	224	266	139	160
260	219	209	171	207	168	209	171	202	170	203	177
0-210		0-185		0-180		0-185		0-220		0-180	
2700				3600				5500			
560				610				610			
Φ1060				Φ1170				Φ1280			
950×580				1010×630				1180×700			
560				630				800			
200				200				300			
110				130				150			
38×2				70×2				110×2			
500				560				630			
17.5				17.5				17.5			
13		15		22		1113		30		18.5	
7.5		9.3		14.8.5		6.9.3		18.8		12.3	
6.4×2.2×2.4				7×2.3×2.6				8.8×2.7×2.72			
12				16				30			

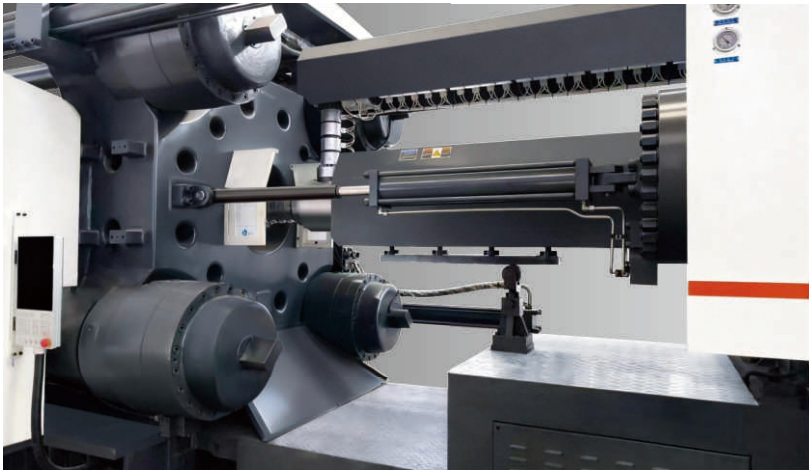


根据顾客需求，支持多组份成型定制！
We fully support multicomponent molding solutions based on customer's requirements！

UP系列PE双阶机规格参数

规格	TYPE/SPECIFICATION		UP/360-140J	UP/410-140J	UP/560-160J
注射装置	Injection Unit				
螺杆直径	Screw diameter	mm	80	80	90
螺杆长径比	Screw L/D ratio	L/D	30	30	30
柱塞直径	plunger diameter	mm	140	140	160
理论注射容量	Shot volume (theoretical)	cm³	9852	9852	17090
注射重量 (PE)	Injection weight (Ps)	g	7093	7093	12305
注射速率 (PE)	Injection rate	g/s	621	621	700
注射压力	Injection pressure	MPa	91.4	91.4	99
螺杆转速	Screw speed	rpm	109	109	84
合模装置	Clamping Unit				
合模力	Clamping force	kN	3600	4100	5600
移模行程	Open stroke	mm	675	715	850
拉杆内间距 (宽 × 高)	Space between tie-bars(W*H)	mm	680×680	730×730	830×830
最大模厚	Max. mould height	mm	750	800	850
最小模厚	Min. mould height	mm	250	250	330
顶出行程	Ejector stroke	mm	180	180	240
顶出力	Ejector force	kN	70	90	150
其它	Others				
最大油泵压力	Pump max. pressure	MPa	17.5	17.5	17.5
油泵马达功率	Pump motor power	kW	37(42)	37(42)	55(58)
电热功率	Heating power	kW	80	80	100
外形尺寸 (长 × 宽 × 高)	Machine dimension (L*W*H)	M	8.2×2.1×2.55	9.5×2.1×2.55	10.8×2.1×2.84
油箱容积	Oil tank cubage	L	550	580	700
机器重量	Machine weight	Ton	15.5	17	22

UP系列PE双阶机主要特性



- 螺杆式高效率塑化机构
- 模块化结构，二板式、三板式可自由组合
- 柱塞高品质密封设计，计量准确、注射稳定
- 精密自封式流道
- 专业解决方案，具有超大注射量

Screw-type high-efficiency plasticizing mechanism.

Modular structure, allowing free combination of two-platen and three-platen configurations.

High-quality plunger seal design ensures accurate metering and stable injection.

Precision self-sealing flow channel.

Professional precision self-sealing runner solution with extra-large injection capacity.

说明：鉴于技术的改进，公司保留对技术参数和产品外观更改的权利，恕不另行通知。

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UP-Series PE Two-Stage Machine Specifications

UP/680-190J	UP/780-220J	UP/1080-255J	UP/1420-270J	UP/2200-340J
90	100	100	110	120
30	30	30	30	30
190	220	255	270	340
32030	42955	57965	92750	226980
23062	30928	41735	66780	163426
940	1050	1350	1473	2510
90	90	87.5	86.9	80
90	90	95	80	80
6800	7800	10800	14200	22000
900	1000	1080	1400	1870
910×895	1010×980	1125×1080	1350×1280	1750×1600
900	1000	1100	1400	1700
350	400	450	600	780
250	300	340	360	420
150	210	248	320	490
17.5	17.5	17.5	17.5	17.5
30+30(66)	30+37(69)	45+45(84)	55+55+15(129)	55+55+55(174)
110	130	150	180	270
11.65×2.35×3.3	12.5×2.5×3.45	14×2.8×3.5	15×3.4×4.3	22.5×3.6×4.5
800	900	1100	1100	1400
31	45	54	90	150

