



致力为客户创造财富与未来
DEVOTED TO CREATING FORTUNE AND FUTURE FOR CUSTOMER



MULTI COMPONENTS
INJECTION MOLDING MACHINE

多组份注塑机



鸿正联塑（浙江）机械有限公司

HONZEN UNION PLASTIC (ZHEJIANG) MACHINERY CO.,LTD

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ORIGIN

SINCE 2018

全资收购成立于1984年的机械行业著名企业台湾联塑集团-联塑（杭州）机械有限公司。

Made wholly-owned acquisition of the well-known enterprise in machinery industry Union Plastic (Hangzhou) Machinery Co., Ltd. of Taiwan Union Plastic Group established in 1984.



INHERIT 传承

40年智慧与文化的结晶，以及技术力量与底蕴的沉淀。
35 years of wisdom and culture, as well as the technical strength and background.

OPTIMIZE 优化

双色，多色等业内领先技术。完成全系列两板机研发，为大型双色，多色，对射提供解决方案。

Leading technology of multi-components. Completed research and development of full series of two platen machine in order to provide multi-components and swivel platen solution in big size.

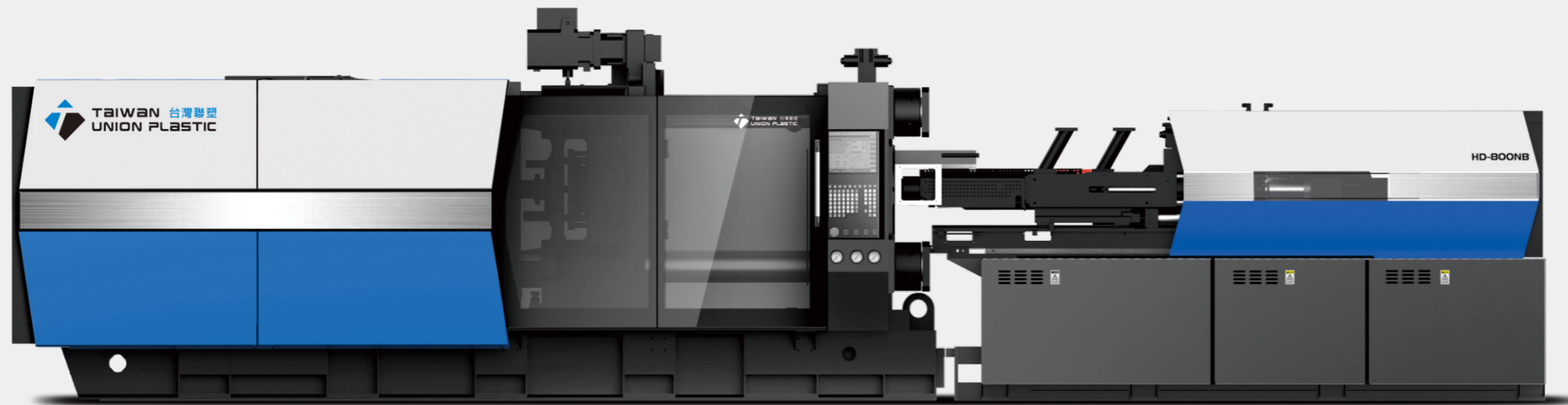
CHANGE 改变

从“心”出发，以新的发展理念与管理模式，致力于为客户创造价值，为员工创造前途，为行业及人类社会创造贡献。

Fresh start with HEART. With new philosophy and management, devoted to creating value for customer, future for employee, contribution for plastic industry and human society.

致力为客户创造财富与未来

DEVOTED TO CREATING FORTUNE AND FUTURE FOR CUSTOMER



厂房面积 Area



200,000m²

加工设备 CNC



30+

员工 Employees



500+

锁模力 Clamping force



90T-6600T

企业理念 PHILOSOPHY

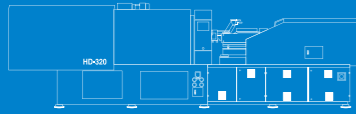
质量·服务·创新
QUALITY · SERVICE · INNOVATIVE

企业精神 SPIRIT

科技为本·速度致胜
TECHNOLOGY BASED · SPEED WINS

企业使命 MISSION

致力为客户创造财富与未来
DEVOTED TO CREATING FORTUNE
AND FUTURE FOR CUSTOMER



**FLEXIBLE
MULTI-COMPONENTS
CREATE MORE VALUE**

灵活的多组份创造更多价值



AUTOMOBILE INDUSTRY
— 汽车行业 —

鸿正在原有技术领先的基础上，更加优化了多色（多组份）机型。
HONZEN is optimizing the multi-color (multi-components) models on the basis of the original technology leadership.



HOME APPLIANCE INDUSTRY
— 白色家电行业 —



CONSTRUCTION INDUSTRY
— 建筑行业 —



ELECTRONICS INDUSTRY
— 电子电器行业 —

鸿正 完成了全系列两板机研发，为大型多色（多组份）及对射提供解决方案。
HONZEN has completed research and development of full series of two platen machine in order to provide multi-color (multi-component) solution in big size.



MEDICAL INDUSTRY
— 医药行业 —



PACKAGING INDUSTRY
— 包装行业 —



**APPLICATION
FIELD**
行业应用领域

在消费产品款式千变万化的今天，既要外型美观、设计精巧，也要迅速配合市场需求。设计师会根据消费产品不同的用途，在不同的部位上，采用不同的物料，以应付特定环境的需要，达到延长产品寿命、增加美观及实用性的目的。这种实用性的设计要求无疑将导致生产技术也随之复杂化，多色（多组份）注塑工艺就是应这一潮流而生的。

多色（多组份）应用领域覆盖汽车、家居用品、电子及家电、建筑、包装及医疗器材等众多行业。随着技术的进步，多色（多组份）注塑成型技术的应用也日益广泛。

台湾联塑的多色（多组份）技术可追溯至90年代初。鸿正在收购台湾联塑后，在原有技术领先的基础上，更加优化了多色（多组份）机型。并完成了全系列两板机研发，为大型多色（多组份）及对射提供解决方案。

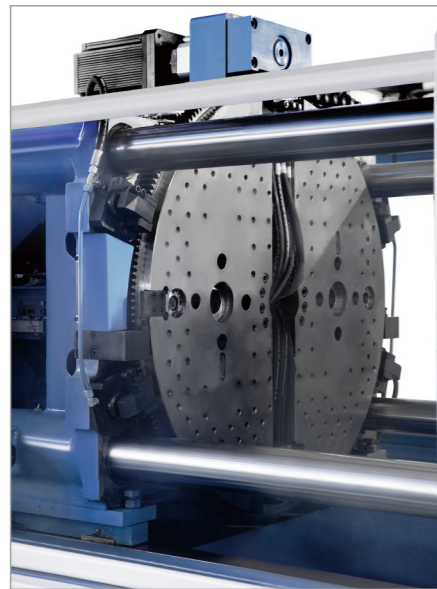
In this day, the consumer product styles are changing frequently, they require attractive appearance and exquisite design, but also quickly to meet market demand. Designers will use different materials in different parts according to different uses of consumer products to meet the needs of specific environments, to achieve the purpose of extending product life, increasing aesthetics and practicality. This practical design requirement will undoubtedly lead to complicated production technology. The multi-color (multi-component) injection molding process is born out of this trend.

Multi-color (multi-component) application areas cover many industries such as automobiles, household, electronics and home appliances, construction, packaging and medical equipment. With the advancement of technology, the application of multi-color (multi-component) injection molding technology has become increasingly widespread.

TUP multi-color (multi-component) technology dates back to the early 1990s. After the acquisition, HONZEN is optimizing the multi-color (multi-component) models on the basis of the original technology leadership. And has completed research and development of full series of two platen machine in order to provide multi-color (multi-component) solution in big size.

FEATURES

HD Series 特点

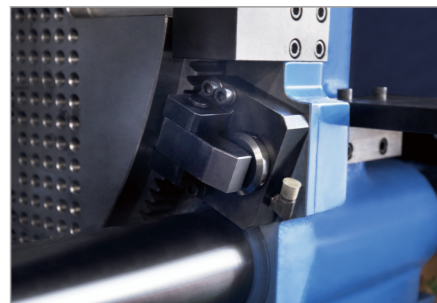


高速高精度转盘 HIGH SPEED AND PRECISION TURNTABLE

高精度转盘通过伺服电机控制其动作，快速稳定，高负载强度。电脑通过旋转编码器实时监控转盘位置偏差
The high-precision turntable is controlled by servo motor, which is fast and stable with high load intensity. The controller monitors the turntable position deviation in real time through the rotary encoder

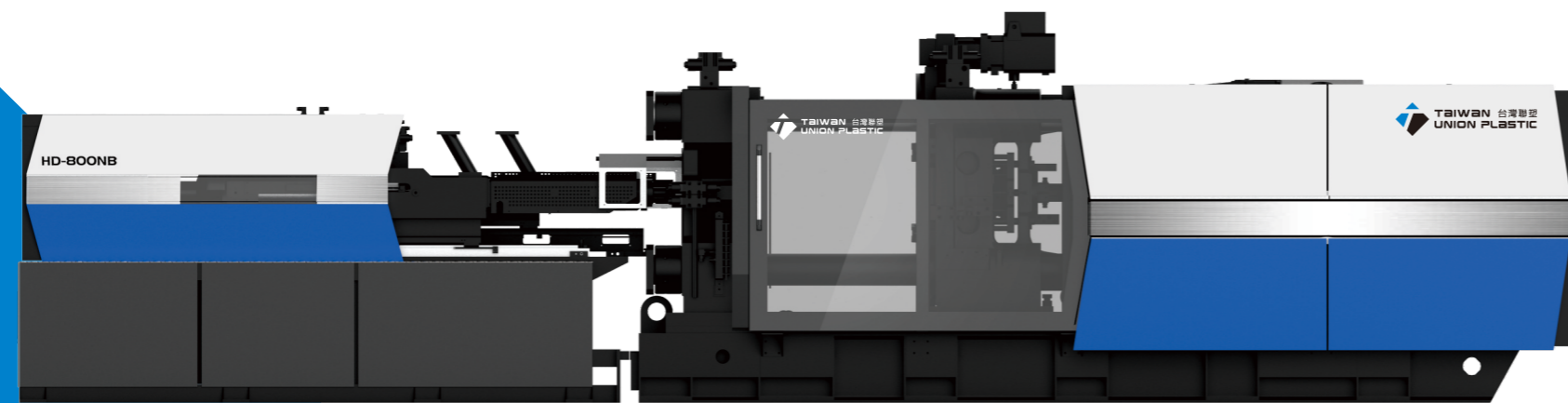
超大容模量 LARGE SPACE FOR MOULD

宽导柱设计，适用更多模具类型，从而降低采购成本
Super wide tie bar design, suitable for more mould types, thereby reducing procurement costs



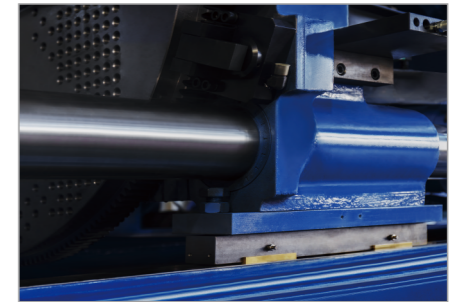
专利转盘夹爪 PATENTED TURNTABLE STOPPER

杜绝转盘下垂。采用整体底座，简化结构，可靠性更高
Completely keep turntable from dropping. Adopted integrated base, simplified structure and higher reliability



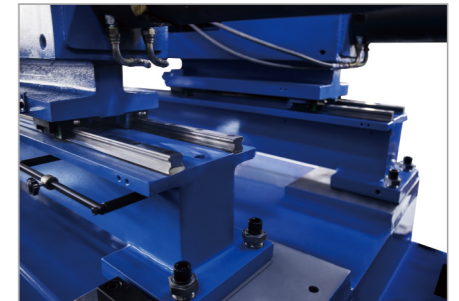
滑脚 SLIDING FOOT

加长加宽的动模板支撑设计，即使是较重的模具也可实现最佳的模板平行度
Lengthened and widened sliding foot of moving platen optimizes platen parallelism even with heavy mould



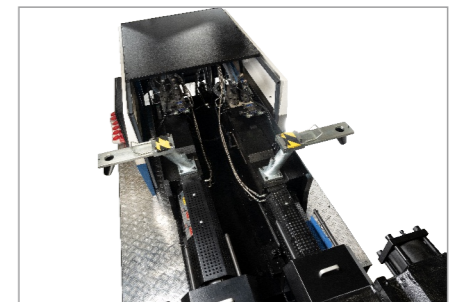
高精度线性导轨射出机构 HIGH PRECISION LINEAR GUIDE ON INJECTION UNIT

注射和塑化系统采用线性导轨，高精度高刚性及低摩擦系数
Injection and plasticizing system adopts linear guide with high precision, high rigidity and low coefficient of friction



高效的液压系统 HIGH EFFICIENT HYDRAULIC SYSTEM

配备独立的伺服液压动力系统。油路布置合理，压力损失小
Equipped with independent hydraulic servo system. Reasonable oil circuit layout and low pressure loss



多角度射台搭配 FLEXIBLE COMBINATIONS OF MULTI-COMPONENTS

满足制品多样化及个性化需求
Meets customized needs of parts in diversification and individuation

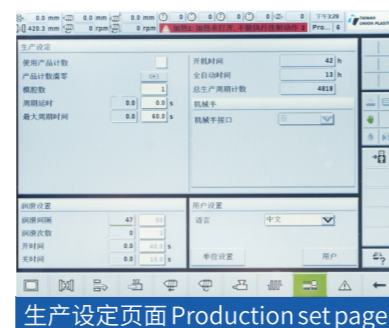
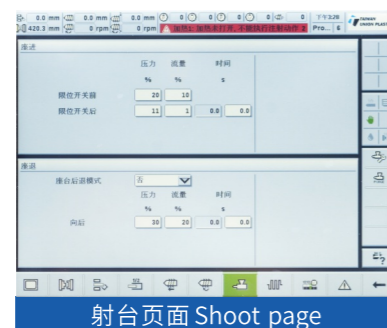
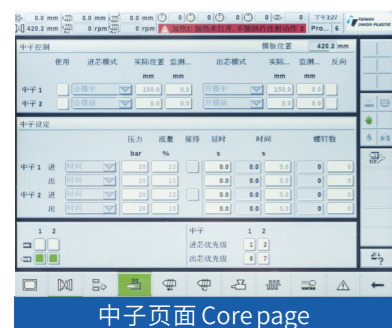
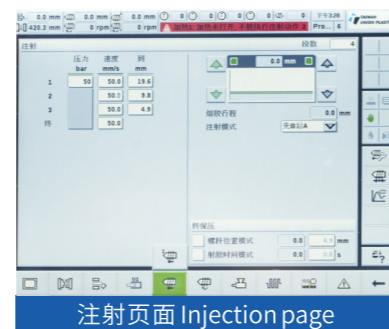
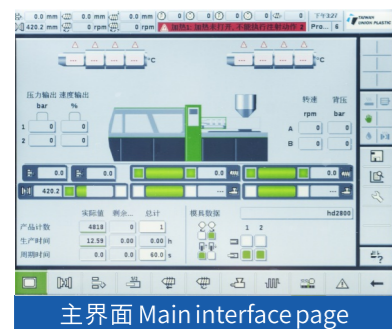


CONTROL SYSTEM 控制系统

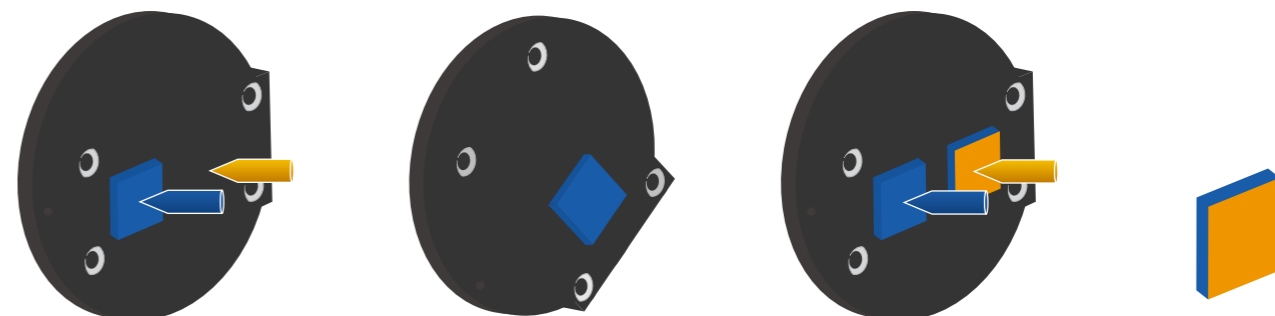
专用控制器
Special controller

友好的人机界面及高精度电脑控制系统，操作便捷，运转稳定，扩展性极佳。可配备MES系统，实现生产车间联网管理。

Friendly human-machine interface and high-precision control system, convenient operation, stable running and excellent extensibility. Able to equip with MES system to realize network management of production workshop.



TURNTABLE TECHNOLOGY 转盘技术



两组份部件（模具中两个工位），通过高精度转盘转动180度将预注射的坯件移动到第二工位。对于三种或四种组分（三个或四个工位），此旋转角度分别为120度或90度。

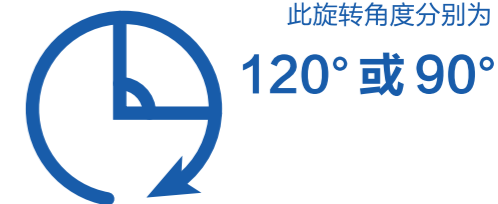
Two component parts (two stations in the mould), the perform is moved to the 2nd injection position by a 180° rotation through high precision turntable. In the case of three or four components (three or four stations), the angle of rotation is 120° or 90°.

特点 FEATURES

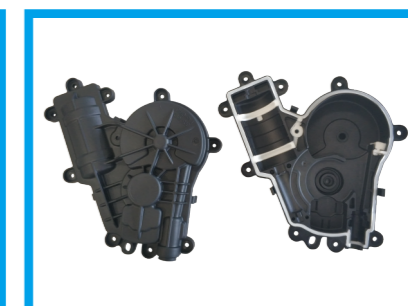
- ① 预注塑件将留在型芯上，这样就几乎不存在翘曲
- ② 周期时间短
- ③ 尤其适用于多模腔

The perform stays in the core, no possibility of becoming twisted
Short cycle time
Specially suitable for multi-cavity mould

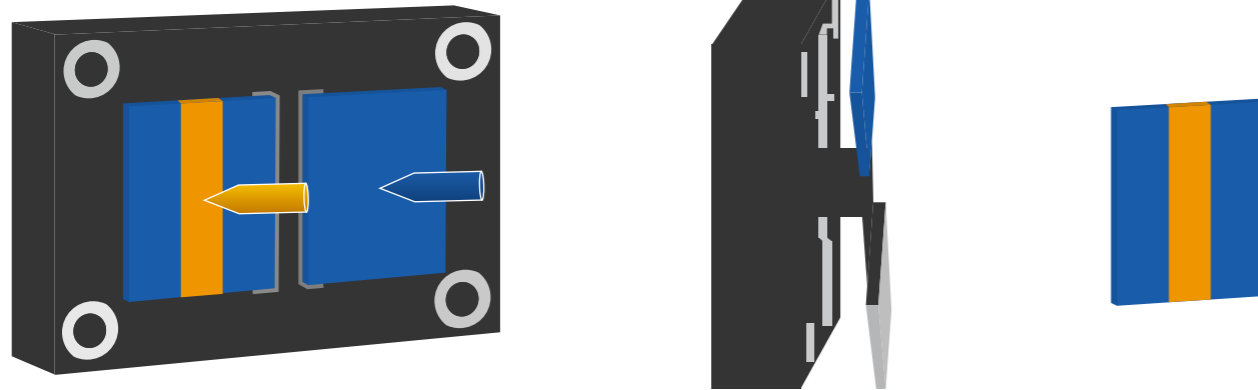
对于三种或四种组分（三个或四个工位）
此旋转角度分别为



可搭配射台组合 Available with configuration of



INDEX PLATE 转轴技术



在动模板中心配备可180° 旋转的转动机构，带动模具轴向运动，将预注射的坯件移动到第二工位。

The center of the moving platen is equipped with a rotating structure that can rotate 180°, which drives the mould to axial motion and moves the preform to the 2nd station.

特点 FEATURES

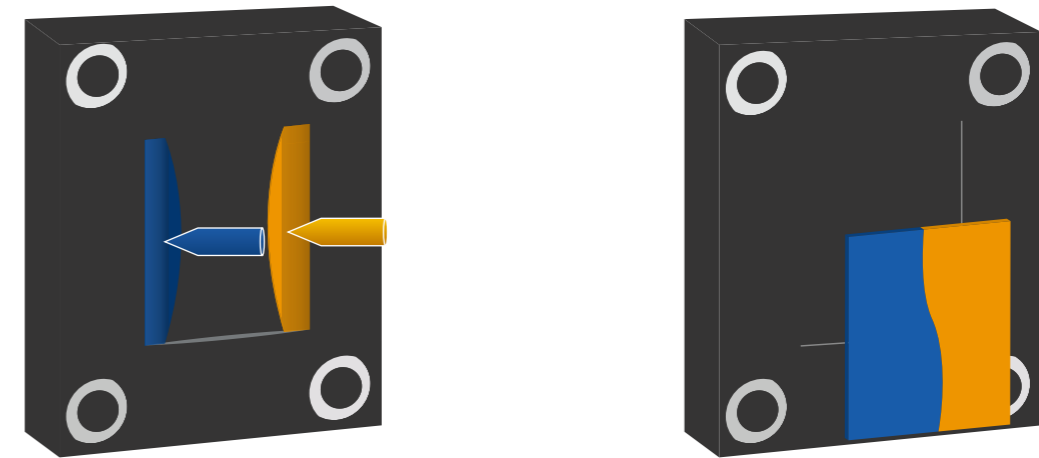
- 周期时间短
- 与转盘相比，在大多数情况下需要的拉杆间距较小

Short cycle time
Need less tie bar distance compared to turntable in most instances

可搭配射台组合 Available with configuration of



BI-INJECTION 双注射



双注射是将两种颜色的相同原料通过两个独立的浇口注射到模腔中，制品上没有准确的分型线。

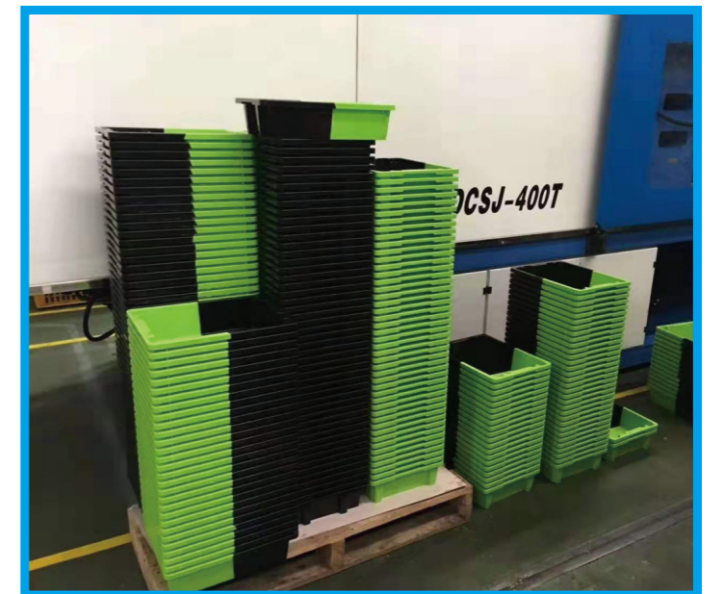
Bi-injection is the injection of the same raw materials of two colors into the cavity through two independent gates. No accurate parting line on the product.

特点 FEATURES

- 模具成本低（仅限单腔模具）
- 工艺过程简单

Low cost for mould (One cavity mould only)
Simple molding process

可搭配射台组合 Available with configuration of



HD 技术参数表 SPECIFICATIONS

备注：正常情况下改善规格参数，恕不另行通知 Note: Due to improvement, parameters may be changed without prior notice.

说明	DESCRIPTION	UNIT	HD160						HD230						HD280						HD350						HD450					
注射单元 INJECTION UNIT																																
国际标准规格	International size	/	230			300			230			300			300			470			470			720			720			1380		
螺杆直径	Screw diameter	mm	24	26	28	30	32	36	24	26	28	30	32	36	30	32	36	36	38	42	36	38	42	42	45	48	42	45	48	45	50	55
螺杆长径比	Length /Diameter ratio	L/D	21	19	18	22	20.5	18	21	19	18	22	20.5	18	22	20.5	18	22	20.5	18	21	20	18	24	22	21	24	22	21	23	21	19
理论注射容积	Theoretical shot volume	cm ³	63	74	86	106	120	152	63	74	86	106	120	152	106	120	152	198	221	279	198	221	279	346	397	452	346	397	452	493	608	736
射胶量 (PS)	Shot weight (PS)	g	57	67	78	96	110	138	57	67	78	96	110	138	96	110	138	183	201	254	183	201	254	315	361	411	315	361	411	448	553	670
射胶压力	Injection pressure	Mpa	367	312	270	280	246	194	367	312	270	280	246	194	280	246	194	228	205	168	228	205	168	208	182	160	208	182	160	280	226	187
射出速率	Injection rate	cm ³ /s	73	85	99	95	108	137	90	106	123	119	136	172	150	171	216	184	204	249	184	204	249	201	183	208	258	292	332	190	236	285
射胶行程	Injection stroke	mm	140			150			140			150			150			195			195			250			250			310		
螺杆转速	Screw speed	r/min	300			280			300			280			280			210			210			180			210			141		
料管中心距	Distance between barrel centers	mm	400						500						500						550						550					
锁模单元 CLAMPING UNIT																																
锁模力	Clamping force	kN	160						230						280						350						450					
模板最大间距	Max. daylight	mm	900						1070						1230						1330						1350					
移模行程	Mold opening stroke	mm	340						420						580						580						600					
四柱间距	Distance between tie bars	mm	740x410						940x425						930x610						1020x590						1130x610					
最小模具尺寸	Min. mould dimension	mm	300x280						350x350						400x350						450x370						475x400					
容模量	Mould thickness range	mm	200-560						200-650						200-650						200-750						200-750					
顶出力	Ejector force	kN	3.4x2						3.4x2						4.9x2						4.9x2						7.7x2					
顶出行程	Ejector stroke	mm	100						110						150						150						185					
顶针杆数	No. of ejector pins	Pcs	6						6						10						10						10					
转盘直径	Rotary table diameter	mm	860						1020						1100						1200						1300					
转盘承重	Load platen rotary table	ton	1						1.7						2.5						3.2						3.5					
模具数量	Mould sets	set	2						2						2						2						2					
其他 GENERAL UNIT																																
系统压力	system pressure	Mpa	17.5						17.5						17.5						17.5						17.5					
油泵马达功率	Pump motor power	KW	2-24						2-25						2-31						2-31						2-33					
电热功率	Heater power	KW	4.5				7	4.5				7	7				9	9				12	12				19					
温度控制区数	Number of heating zone	UNIT	3+1				3+1	3+1				3+1	3+1				3+1	3+1				3+1	3+1				4+1					
油箱容量	Oil tank capacity	L	350						600						600						600						900					
理论重量	Theoretical weight	T	8						11						14						16						20					
机器外形尺寸	Machine dimension (L×W×H)	m	5.6x1.9x1.9						6.2x2.2x2.0						7.0x2.3x2.2						7.3x2.4x2.3						8.0x2.5x2.4					
动模板尺寸图 Platen dimensions Moving platen																																
定模板尺寸图 Platen dimensions Mounting hole for robot/sprue picker top view from fixed platen																																

HD 技术参数表 SPECIFICATIONS

备注：正常情况下改善规格参数，恕不另行通知 Note: Due to improvement, parameters may be changed without prior notice.

说明	DESCRIPTION	UNIT	HD550						HD650						HD850						HD1000						HD400NB (笔电专用Note Book Special)																																															
			720			1380			720			1380			1380		2960		3600		1380		2960		3600		230			300																																												
注射单元 INJECTION UNIT																																																																										
国际标准规格	International size	/	720						1380						720						1380						1380						2960						3600						1380						2960						3600						230						300					
螺杆直径	Screw diameter	mm	42	45	48	45	50	55	42	45	48	45	50	55	45	50	55	60	70	80	45	50	55	60	70	80	45	50	55	60	70	80	24	26	28	30	32	36	24	26	28	30	32	36																														
螺杆长径比	Length /Diameter ratio	L/D	24	22	21	23	21	19	24	22	21	23	21	19	23	21	19	22	22	19	23	21	19	22	22	19	23	21	19	22	22	19	21	19	18	22	20.5	18	21	19	18	22	20.5	18																														
理论注射容积	Theoretical shot volume	cm ³	346	397	452	493	608	736	346	397	452	493	608	736	493	608	736	975	1615	2110	493	608	736	975	1615	2110	493	608	736	975	1615	2110	63	74	86	106	120	152	63	74	86	106	120	152																														
射胶量 (PS)	Shot weight (PS)	g	315	361	411	448	553	670	315	361	411	448	553	670	448	553	670	887	1470	1920	448	553	670	887	1470	1920	448	553	670	887	1470	1920	57	67	78	96	110	138	57	67	78	96	110	138																														
射胶压力	Injection pressure	Mpa	208	182	160	280	226	187	208	182	160	280	226	187	280	226	187	304	223	171	280	226	187	304	223	171	280	226	187	304	223	171	367	312	270	280	246	194	367	312	270	280	246	194																														
射出速率	Injection rate	cm ³ /s	258	292	332	190	236	285	258	292	332	190	236	285	190	236	285	311	423	553	190	236	285	311	423	553	190	236	285	311	423	553	115	135	156	191	218	275	115	135	156	191	218	275																														
射胶行程	Injection stroke	mm	250			310			250			310			310		345		420		310		345		420		140			150																																												
螺杆转速	Screw speed	r/min	210			141			170			141			141		115				141		115				350			280																																												
料管中心距	Distance between barrel centers	mm	600						650						650						710						550																																															
锁模单元 CLAMPING UNIT																																																																										
锁模力	Clamping force	kN	550						650						850						1000						400																																															
模板最大间距	Max. daylight	mm	1510						1720						2100						2100						1330																																															
移模行程	Mold opening stroke	mm	660						720						1000						1250						580																																															
四柱间距	Distance between tie bars	mm	1160x650						1249x780						1180x1020						1180x1020						1020x590																																															
最小模具尺寸	Min. mould dimension	mm	500x450						550x500						825x715						825x715						450x370																																															
容模量	Mould thickness range	mm	300-850						350-1000						500-1100						550-1250						200-750																																															
顶出力	Ejector force	kN	7.7x2						8.7x2						8.7x2						8.7x2						4.9x2																																															
顶出行程	Ejector stroke	mm	185						185						250						250						150																																															
顶针杆数	No. of ejector pins	Pcs	5x2						9x2						9x2						9x2						5x2																																															
转盘直径	Rotary table diameter	mm	1330						1500						1600						1600						1200																																															
转盘承重	Load platen rotary table	ton	3.8						4						7						8						3.2																																															
模具数量	Mould sets	set	2						2						1						1						2																																															
其他 GENERAL UNIT																																																																										
系统压力	system pressure	Mpa	17.5						17.5						17.5						17.5						17.5																																															
油泵马达功率	Pump motor power	KW	2-33						2-33						33+58						41+54						31+33																																															
电热功率	Heater power	KW	12			19			12			19			19		26		31		19		26		31		4.5			7																																												
温度控制区数	Number of heating zone	UNIT	3+1			4+1			3+1			4+1			4+1		4+1		5+1		4+1		4+1		5+1		3+1			3+1																																												
油箱容量	Oil tank capacity	L	1000						1000						1200						1200						600																																															
理论重量	Theoretical weight	T	28						35						50						52						20																																															
机器外形尺寸	Machine dimension (L×W×H)	m	8.2x2.6x2.5						9.2x3.0x2.4						11x3.1x2.6						11.3x3.05x2.64						7.3x2.2x2.3																																															
动模板尺寸图 Platen dimensions Moving platen																																																																										
定模板尺寸图 Platen dimensions Mounting hole for robot/sprue picker top view from fixed platen																																																																										

HD 技术参数表 SPECIFICATIONS

备注：正常情况下改善规格参数，恕不另行通知 Note: Due to improvement, parameters may be changed without prior notice.

说明	DESCRIPTION	UNIT	HD800NB (笔电专用Note Book Special)				HD250P (制笔专用Pen-making Special)						HD200BR (牙刷专用Toothbrush Special)				HD250BR (牙刷专用Toothbrush Special)				HD320BR (牙刷专用Toothbrush Special)													
注射单元			INJECTION UNIT																															
国际标准规格	International size	/	720				300				470				470				470				720				470				720			
螺杆直径	Screw diameter	mm	36	38	42	45	30	32	36	36	38	42	36	38	42	45	36	38	42	42	45	48	36	38	42	42	45	48	36	38	42	42	45	48
螺杆长径比	Length /Diameter ratio	L/D	21	20	21	21	22	20.5	18	22	20.5	18	22	20.5	24	22.4	22	20.5	18	24	22	21	22	20.5	18	24	22	21	22	20.5	18	24	22	21
理论注射容积	Theoretical shot volume	cm ³	254	283	346	397	106	120	152	198	221	249	198	221	270	310	198	221	279	346	397	452	198	221	279	346	397	452	198	221	279	346	397	452
射胶量 (PS)	Shot weight (PS)	g	231	251	315	361	96	110	138	183	201	254	183	201	246	282	183	201	254	315	361	411	183	201	254	315	361	411	183	201	254	315	361	411
射胶压力	Injection pressure	Mpa	284	255	254	221	280	246	194	228	205	168	228	205	168	146	228	205	168	208	182	160	228	205	168	208	182	160	228	205	168	208	182	160
射出速率	Injection rate	cm ³ /s	256	285	330	378	119	136	172	147	164	200	127	142	173	199	117	130	159	161	184	210	117	130	159	161	184	210	117	130	159	161	184	210
射胶行程	Injection stroke	mm	250				150				195				195				250				195				250							
螺杆转速	Screw speed	r/min	250				250				210				200				250				210				250				210			
料管中心距	Distance between barrel centers	mm	650				200						300				300				300													
锁模单元			CLAMPING UNIT																															
锁模力	Clamping force	kN	800				250						200				250				320													
模板最大间距	Max. daylight	mm	1570				1025						950				980				1220													
移模行程	Mold opening stroke	mm	720				465						440				450				560													
四柱间距	Distance between tie bars	mm	1230x680				570x520						520x470				580x530				655x655													
最小模具尺寸	Min. mould dimension	mm	500x450				400x350						364x329				400x350				450x450													
容模量	Mould thickness range	mm	350-850				200-560						200-510				200-530				200-660													
顶出力	Ejector force	kN	8.7x2				2.7x2						3.4x2				2.7x2				4.9x2													
顶出行程	Ejector stroke	mm	240				150						120				130				150													
顶针杆数	No. of ejector pins	Pcs	9x2				6						950				6				6													
转盘直径	Rotary table diameter	mm	1410				800						300				/				/													
转盘承重	Load platen rotary table	ton	6				0.8						0.2				0.2				0.4													
模具数量	Mould sets	set	2				1						1				1				1													
其他			GENERAL UNIT																															
系统压力	system pressure	Mpa	17.5				17.5						17.5				17.5				17.5													
油泵马达功率	Pump motor power	KW	33+54				20		20				20x2				16		20				16		20									
电热功率	Heater power	KW	10		14		7		9				9				9		12				9		12									
温度控制区数	Number of heating zone	UNIT	3+1		4+1		3+1		3+1				4+1				3+1		3+1				3+1		3+1									
油箱容量	Oil tank capacity	L	1000				600						510				500				600													
理论重量	Theoretical weight	T	45				11						7				11				13													
机器外形尺寸	Machine dimension (L×W×H)	m	8.7×3.1×2.4				5.6×1.8×2.2						6.32×1.75×1.86				6.2×1.7×1.9				6.8×2.0×2.2													
动模板尺寸图 Platen dimensions Moving platen																																		
定模板尺寸图 Platen dimensions Mounting hole for robot/sprue picker top view from fixed platen																																		

HD 技术参数表 SPECIFICATIONS

备注：正常情况下改善规格参数，恕不另行通知 Note: Due to improvement, parameters may be changed without prior notice.

说明	DESCRIPTION	UNIT	HD-1300LP/3HD1300LP					HD1500LP/3HD1500LP					HD1700LP/3HD1700LP					HD-2000/3HD-2000LP				HD-2500/3HD-2500LP							
注射单元 INJECTION UNIT																													
国际标准规格	International size	/	1380					1700					1380					2960				3600							
螺杆直径	Screw diameter	mm	45	50	55	60	70	55	60	60	70	80	80	90	45	50	60	70	80	90	42	60	70	80	42	70	80	90	45
螺杆长径比	Length /Diameter ratio	L/D	22	21	22	22	22	21.4	19.7	22	22	19	22	19	22	21	22	22	22	19	20	22	22	22	20	22	22	22	22
理论注射容积	Theoretical shot volume	cm ³	493	608	736	975	1615	736	876	975	1615	2110	2311	2925	493	608	975	1615	2311	2926	346	975	1615	2311	346	1615	2311	2925	493
射胶量 (PS)	Shot weight (PS)	g	448	553	670	887	1470	670	797	887	1470	1920	2103	2662	448	553	887	1470	2103	2662	315	887	1470	2103	315	1470	2103	2662	448
射胶压力	Injection pressure	Mpa	280	227	187	304	223	231	194	304	223	171	214	169	280	226	304	223	214	169	208	304	223	214	208	223	214	235	280
射出速率	Injection rate	cm ³ /s	190	236	285	311	423	285	339	311	423	553	543	687	190	236	311	423	543	687	200	311	423	543	200	423	543	635	190
射胶行程	Injection stroke	mm	310					310					310					345				420							
螺杆转速	Screw speed	r/min	141					230					130					141				130							
料管中心距	Distance between barrel centers	mm	710					710					710					710				710							
锁模单元 CLAMPING UNIT																													
锁模力	Clamping force	kN	1300					1500					1700					2000				2500							
模板最大间距	Max. daylight	mm	2650					3050					3100					3500				3800							
移模行程	Mold opening stroke	mm	1200					1400					1450					1800-2700				2000-3000							
四柱间距	Distance between tie bars	mm	1380x1220					1460x1340					1560x1400					1800x1600				2060x1860							
最小模具尺寸	Min. mould dimension	mm	966x850					1020x935					1092x980					1260x1120				1422x1302							
容模量	Mould thickness range	mm	600-1450					700-1650					700-1650					800-1700				800-1800							
顶出力	Ejector force	kN	8.7x2					16.6x2					16.6x2					24.7x2				24.7x2							
顶出行程	Ejector stroke	mm	250					300					300					300				300							
顶针杆数	No. of ejector pins	Pcs	11x2					11x2					11x2					10x2				10x2							
转盘直径	Rotary table diameter	mm	1910					2000					2100					2450				2800							
转盘承重	Load platen rotary table	ton	9					12					15					18				25							
模具数量	Mould sets	set	1					1					1					2				2							
其他 GENERAL UNIT																													
系统压力	system pressure	Mpa	17.5					17.5					17.5					24/17.5				24/17.5							
油泵马达功率	Pump motor power	KW	54+54					54+41x2					54+41x2					62				62							
电热功率	Heater power	KW	19	26	31			17.4	26	31	38			19	31	38	12			25.8	31	38	12	31	38	44.5	19		
温度控制区数	Number of heating zone	UNIT	4+1		4+1	5+1			4+1	4+1	5+1	5+1			4+1	4+1	5+1	3+1			3+1	4+1	3+1		3+1		4+1		
油箱容量	Oil tank capacity	L	1300					1450					1450					500				2500							
理论重量	Theoretical weight	T	61					80					95					120				150							
机器外形尺寸	Machine dimension (LxWxH)	m	12.5x3.4x2.8					13x3.35x3.24					13.3x3.5x3.2					14x4x3.8				15x8.5x4.03							
动模板尺寸图 Platen dimensions Moving platen																													
定模板尺寸图 Platen dimensions Mounting hole for robot/sprue picker top view from fixed platen																													

HD系列功能配置表	Standard and Optional functions	标配 STD	选配 OPT
锁模单元	CLAMPING UNIT		
开合模比例控制	Mold open/close proportional control		●
开合模闭环控制	Mold open/close closed-loop control		●
顶出闭环控制	Eject closed-loop control		●
液压单元	HYDRAULIC UNIT		
伺服油泵	Servo motor system	●	
加大油泵电机功率	Increased pump motor power		●
多组顺序注射功能	Multi-sequential injection function		●
注射伺服阀	Servo valve for injection		●
液压油位报警	Hydraulic oil level alarm		●
吸油口锁闭装置	Oil suction lock device	●	
冷水阀	Cooling valve		●
电气单元	ELECTRIC UNIT		
科霸控制器	KEBA controller	●	
各动作工况实时监控功能	Real time working condition monitoring	●	
生产资料监测功能	Production data monitoring	●	
故障报警显示功能	Fault alarm	●	
注射压力转保压功能	Injection pressure turns to pressure holding		●
I/O监测显示	I/O monitoring	●	
三色报警灯	3color alarm		
电机过载保护	Motor overload protection	●	●
前后门紧急停止按钮	Emergency stop for safety door	●	
380V/16A五芯插座6组(HD-500及以下)	380V/16A 5 pins socketx6 (HD-500 and below)	●	
220V/10A三芯插座1组	220V/10A 3 pins socketx1	●	
380V/32A五芯插座(HD-600及以上)	380V/32A 5 pins socketx6 (HD-600 and above)	●	
伺服动力系统变电压	Servo power system transformer		●
欧规12机械手接口	Euromap 12 robot interface		●
欧规67机械手接口	Euromap 67 robot 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	SSR heating control	●	
实时锁模力监测	Real time clamping force monitoring		●
实时能耗监测	Real time power consumption monitoring		●
热流道控制系统与接口	Hot runner control and interface		●
注塑机生产管理MES系统	MES production management system		●
其他配置	OTHERS		
HD系列标准配色	HONZEN standard color for HD Series	●	
防震机床垫脚	Leveling pad	●	
地脚螺栓	Anchor bolt		●
常用工具、易损件、模具压板、说明书	General tools, spare parts, mold clamp, operation manual	●	
特殊配色	Special color		●
加高机身	Higher machine base		●
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		●

HD系列功能配置表	Standard and Optional functions	标配 STD	选配 OPT
注射单元	INJECTION UNIT		
标准螺杆	Standard screw	●	
特殊螺杆	Special screw		●
单缸注射结构	Single injection cylinder structure (Screw dia. 55mm and below)	●	
螺杆转速显示	Screw rotation speed display	●	
液压储料马达	Hydraulic motor for plasticizing	●	
储料背压比例控制	Proportional back pressure control	●	
下料口温度监测	Feeding zone temperature control		●
喷嘴防护罩	Nozzle cover	●	
座台集中润滑装置	Centralized lubrication for injection carriage		●
陶瓷加热圈	Ceramic heater band	●	
气体辅助注射接口	Gas assisted injection interface		●
电动加料功能	Servo motor for plasticizing		●
干燥料斗	Hopper dryer		●
不锈钢料斗	Stainless steel hopper		●
锁模单元	CLAMPING UNIT		
螺丝孔模板	Screw hole platen	●	
模板（欧规2模具安装尺寸）	Platen with EUROMAP 2 mold mounting dimensions		●
高刚性5铰链锁模机构	High rigidity toggle system	●	
液压、电气安全保护	Hydraulic and electrical interlock device	●	
机械安全保护	Mechanical safety device		●
自动调模功能	Mold height auto-adjustment function	●	
伺服电机转盘驱动	Turntable controlled by servo motor	●	
开关模、脱模电子尺控制	Mold open/close and ejector controlled by transducer	●	
定量式自动集中润滑系统	Quantitative automatic centralized lubrication	●	
可调节式模板支撑装置	Adjustable platen supporting device	●	
动模板移动高硬度轨道板	Moving platen with high rigidity rail board	●	
合模区移动安全顶盖板	Top safety cover for clamping unit		●
自动安全门（HD-400及以下）	Automatic safety door (HD-400 and below)		●
自动安全门（HD-450及以上）	Automatic safety door (HD-450 and above)	●	
欧规18机械手安装位置	Euromap 18 robot mounting interface		●
磁力模板	Magnetic platen		●
液压/电动旋转脱模装置	Hydraulic/electrical unscrew device		●
两组分水器	Water manifoldx2	●	
快插接头分水器	Water manifold with quick coupling		●
一组吹气阀	Air blasterx1	●	
两组吹气阀	Air blasterx2		●
四组吹气阀	Air blasterx4		●
2组抽芯（动模）	Core pullerx2 (On moving platen)	●	
3组抽芯（动模2组，定模1组）	Core pullerx3 (1 on moving platen, 1 on fixed platen)		●
4组抽芯（动模2组，定模2组）	Core pullerx4 (2 on moving platen, 2 on fixed platen)		●
顺序阀	Sequential shut off valve		●
合模快速装置	Quick clamping device		●
开模顶出同步（顶出无比例控制）	Eject during mold opening (Eject without proportional control)		●
开模顶出同步（顶出比例控制）	Eject during mold opening (Eject with proportional control)		●
开模储料同步（储料比例控制）	Charge during mold opening (Charge with proportional control)		●
开模，顶出，储料同步（比例控制）	Charge and eject during mold opening		●