宁波市海达塑料机械有限公司
NINGBO HAIDA PLASTIC MACHINERY CO.,LTD.

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Plastic Machinery Parameter

塑料注射成型机参数表

HDJS Servo Series ／伺服系列

HDX General Series ／通用系列

中国 · 海达

Introduciton
公司简介

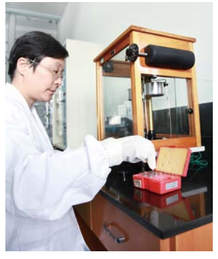
宁波市海达塑料机械有限公司是专业制造HDX、HDJS、HDJL系列全自动塑料注射成型机的生产厂家，系中国塑料机械工业协会副会长单位，宁波塑料机械协会副会长单位，公司在行业内享有较高的知名度。历年来，公司已陆续获得国家火炬重点高新技术企业、国家免检产品、中国驰名商标、浙江省著名商标、浙江省名牌产品、浙江省知名商号等国家、省级荣誉。公司于2000年获批自行进出口权，目前已在世界上十几个国家和地区办理商标注册。自2001年以来已通过ISO9001质量认证和CE认证，2007年又分别通过ISO14001环境体系和OHSAS18001职业健康与安全认证。

公司于1992年创建以来，受到社会各界的大力支持，新老客户的惠顾认可，以及公司全体员工的共同努力，企业稳健良性发展，成为塑机行业中的后起之秀。历年来累计投入近3.5亿元，目前公司占地面积10余万平方米，建筑面积5.5万平方米，并购置了一大批高精度加工设备，使公司的产品质量和生产能力大幅提高，同时建立省级工程研发中心，为创建海达著名品牌奠定了扎实的基础。公司现有员工420人，其中具有初、中、高级职称的技术人员和大专以上学历占30%以上，并常年聘请行业知名专家和教授担任技术顾问和管理顾问，近年来开发的HDJL、HDJS等系列的变量、伺服节能高精度注塑机深受用户的青睐。

NINGBO HAIDA Plastic Machinery Co., Ltd. is a large professional production base specialized in manufacturing HDX HDJS HDJL series automatic plastic injection machines and enjoy high reputation in the plastic machinery industry association, vice President of units. In recent years, our company undertake entity of project under the new high-tech enterprise, state inspection-free product, China famous brand, Zhejiang province famous brand and Zhejiang province well-known product. In 2000, we had the right of self-import and export and had registed our brand in more than ten countries and areas. Our company was accredited by BCC (ISO9001) and CE certificate in 2001 and ISO14001 and OHSAS18001 in 2007.

Established in 1992, Ningbo Haida Plastic Machinery Co., Ltd. become one of the most famous companies in the plastic machinery industry. It covers an area of more than 100 thousand square meters and has a total asset of RMB 350 million. There are 420 workers and staff members including 30% professionals with middle or senior class techinical certificate. Famous senior engineers and experts are invited regularly as our advisers. Our HDJL and HDJS series variable pump and servo motor machines are well-known by our clients.

2008年 认定为中国驰名商标
China Famous Brand
2005年 获国家免检产品荣誉称号
State Inspection-Free Product
2005年 获浙江省名牌产品荣誉称号
Zhejiang Province Well-Known Product
2005年 获浙江省知名商号荣誉称号
Zhejiang Province Well-Known Trade Name
2005年 批准为国家火炬计划重点高新技术企业
National Torch Program. High-tech Enterprise
2001年 通过德国TüV公司的CE认证
CE Certification issued by Germany TüV Company
2001年 通过ISO9001质量体系2000版认证
BCC(ISO9001) (2000 Version)



一个好的产品的出炉必定有一套好技术好设备的支持，为了创造领先的设计，海达勇于利用世界上最新设备，敢于利用世界上的最新技术，哪怕投入再大，海达都不会一丝一毫的犹豫。装备精良的技术中心、同行业领先的塑机研究所、产品开发中心、CAD设计中心和检测中心……，这一切保证了海达的领先设计。

Good products must be based on good equipment and technique. Haida company take advantage of new equipment and technique in the world to develop the design of machines. We don't hesitate to input more about these. Equipped-well design center, Vanward institute in plastic machine industry, R&D Center, CAD design Center and test Center ensure the vanward design of Haida company.

制造部门为了保证产品质量，将分工细到极处，连贯的作业流程，专业的制造经验，高新的生产设备，生产符合客户需要的高品质产品，我们要求每一道工序都做到精益求精。近年来更斥巨资，引进高精度加工设备，再配以加工中心及其它各种切削机床，热处理设备、检测设备和油漆设备，使海达公司的加工能力、特别是大型、超大型注塑机的制造加工能力以及产品的品质保证能力在行业内达到了较高的水平。

Meticulous division of labour, consecutive processes, professional experience of manufacture and high standard equipment ensure the high quality of the machine. We put stress on every working procedure to meet the requirements of customers for high quality. Recently, we have introduced high precision machining tools,with the equipment of cutting machine tools, heat-treating facilities, check out test sets and painting facilities, the processing ability of Haida Company, especially for the large and supersized machine reach a high level in plastic machine industry while the quality of the machine is ensured at the same time.

HDJS Servo Series 伺服系列

HDJS Servo Energy-Saving Efficient Pioneer Officer

HDJS 伺服型节能高效先锋官

持续关注环保和节能的海达企业，于 2008 年 2 月开始第一批伺服节能环保型注塑机量产，逐渐实现了高节能、高精度、高应答、低噪音、低油温等优异特性，在理想状态下，与变量泵机种相比，节能达 40%，与传统定量泵机种相比，节能最大达 70–80%，随后陆续将伺服节能系统拓展至其它不同机种，包括快速机、电木机以及大型两板机等，对于客户端每年电费节省至少 30% 以上。海达 HDJS 伺服系列塑机是当之无愧的节能高效先锋官。

Continuous attention to environmental protection, energy conservation and haida company, started in February 2008 the first batch of servo energy efficient and environmentally friendly plastic injection machine production, gradually realizes the high efficiency, high precision, high response, low noise, low oil temperature and other excellent characteristics, ideally, compared with variable pump model, the energy saving of 40%, compared with the traditional quantitative pump model, the largest energy saving up to 70-80%, then gradually will servo energy-saving system to expand to other different models, including fast machine, bakelite machine, and two large plate, etc., for clients save electricity bills at least more than 30% per year. Haida HDJS servo series molding machine is worthy of energy-efficient pioneer officer.

Comparison Of Power Consumption
耗电量比较

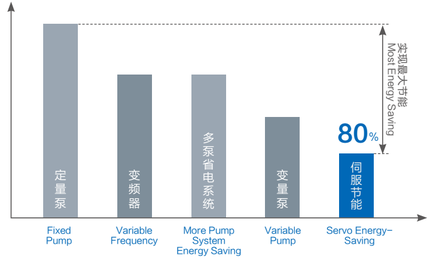
使用右述各项节能系统的最佳条件：保压时间长、冷却时间长、一分钟 2 ~ 3 模以内的产品、厚件产品等，上述各种方法的节能效果才能显著。

Use the right above the best condition of various energy saving systems: the holding time, cooling time, one minute within 2 ~ 3 mould products, and heavy product such as, the ways of energy saving effect can be significant.

Power Consumption
耗电量

射出量按聚苯乙烯比重 1.05 计算；因产品不断改良，参数变更时恕不另行通知。

The injection quantity is calculated on polystyrene specific gravity 1.05; Parameter changes due to the product continuous improvement without prior notice.



Energy Saving Effect
节能效果比较

根据产品、成型条件的不同，伺服节能注塑机比传统定量泵注塑机相比，最高节能可达 80%，相比变量泵注塑机节能可达 40%。

According to different products, forming conditions, the energy-saving injection molding machine servo compared than traditional quantitative pump injection molding machine, the highest energy saving can reach 80%, compared with the variable pump injection molding machine and energy saving can reach 40%.

Superior Energy Efficiency
优异的节能性

To Save Power Consumption
节省耗电量

冷却阶段，电机不需工作，耗电为 0。

Cooling phase, the motor does not need to work, power consumption is 0.

相比传统注塑机可节省用电
Compared with the traditional injection molding machine can save electricity
< 80%

Saving Water And Fuel
节水和节油

与传统液压动力系统液压油相比用量减少 1/4~1/3，可以实现无需冷却，从而大幅节水。

Compared with the traditional hydraulic power system of the hydraulic oil consumption reduce 1/4 ~ 1/3, can achieve without cooling, thus greatly saving water.

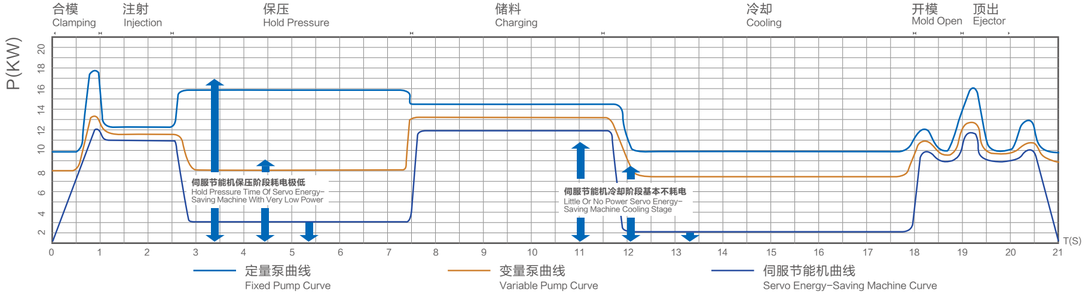
寿命延长
Living Longer
2~3 倍
Double

Energy Saving Effect Instance
节能效果实例

→ 模数 Mold-Opening Times：100模　→ 模具 Mold：透镜 Lens　→ 材料 Material: PMMA　→ 机器 Machine: HDJS88

机型参数 Model Parameters	压力稳定性 (bar) Stability Of The Pressure	周期 (S) Cycle (S)	注射重复精度 (‰) Repeat Precision Injection	节能测试 (kw/h) (3小时耗电) Energy Saving Test (3 Hours) Power Consumption (kw/h)
HDX88双比例定量泵 Hdx88 Double Proportional Fixed Pump	≤1.6	12.9	7.6	17
HDJL88变量泵 HDJL88 Variable Pump	≤2	14.6	15	11.4
HDJS88伺服机 HDJS88 Servo Machine	≤1	12.3	2.5	8.9

Power Consumption Curve Comparison Chart
功率消耗曲线比较图



Improve The Production Efficiency
提高生产效率

Quick Response And High Efficiency
响应迅速、生产效率高

注塑机达到最大输出量仅需 0.05s 50rpm 就可以达到 140bar

Injection molding machine to achieve maximum output in 0.05 s 50 rpm can be up to 140 bar

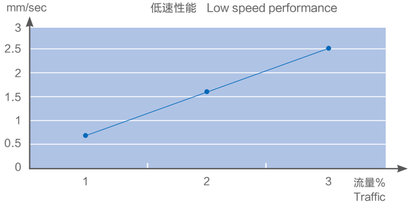
High Repeat Precision, Save Raw Materials
重复精度高、节省原材料

注射重复精度可达
Repeated injection precision can reach
≤3‰

Pressure Is Stable, Improve The Quality Of Molding
压力稳定、 提高成型质量

压力波动量低于 ±0.5bar

Pressure fluctuation quantity is less than + / - 0.5 bar



Stable At Low Speed
低速稳定

压力及流量闭环控制，在低压及低流量操作中表现尤其出色，射胶速度在小于 1mm/sec 时无爬行，脉冲，稳定性高。系统可按实际产品工艺要求，任意设定压力及流量，避免多余热量产生，油温相对传统注塑机稳定。此外，运动时压力流量自动补偿，保持压力与流量的稳定性，控制精准及重复精度高。

Closed-loop control pressure and flow, at low pressure and low flow operation performance is particularly outstanding, shoot rubber speed in less than 1 mm/SEC without crawling, pulse, high stability. System according to the actual product process requirements, set arbitrary pressure and flow, avoid excess heat generation, the oil temperature relative to the traditional injection molding machine is stable. In addition, the pressure flow automatic compensation when motion, maintain the stability of the pressure and flow rate, high control accuracy and repeat precision.

Machine Service Life Longer And Cleaner Working Environment
更长机器寿命、更洁净工作环境

Less Noise Emissions
噪音排放更少

液压系统的噪声控制在国家标准范围内

The noise of the hydraulic system control within the scope of the national standard

Low Heat And Cooling Energy Demand Is Low, More Suitable For Production Environment With Air Conditioning
废热低和冷却能量需求低，更适合带空调的生产环境

注塑机工作由开机至进入稳态油温上升 8℃ −10℃

Injection molding machine boot into the steady-state oil temperature rise of 8°C to 10°C

Application Field
应用领域

注塑机具有能一次成型外型复杂、尺寸精确或带有金属嵌件的质地密致的塑料制品的能力，被广泛应用于国防、机电、汽车、交通运输、建材、包装、农业、文教卫生及人们日常生活各个领域。在塑料工业迅速发展的今天，注塑机不论在数量上或品种上都占有重要地位。

Injection molding machine can have a molding complex, the size is accurate or plastic with metal insert of the fine and close texture, are widely used in national defense, electrical, automotive, transportation, building materials, packaging, agriculture, education and health and People's Daily life. Today with the rapid development of plastic industry, injection molding machine no matter in quantity or variety occupies an important position.

HDX General Series
通用系列

The New Standard Injection Molding Field

注塑领域新标准

HDX 通用系列注塑机的设计理念是，持续实行标准化，简化产品结构，确保最高可靠性，采用最新三维控制技术，以尽可能最低的价格保证海达一贯的高质量。HDX 通用系列在功能性、现代性和高生产率方面给人们留下了深刻印象。这些产品采用人体工程学设计，使用著名制造商的零部件，从整机到每一细节都确保产品质量，甚至其外观也超群出众，海达 HDX 通用系列注塑机在入门级注塑机领域在全球树立了新标准。

HDX series injection molding machine design concept, continue to implement standardized, simplify the structure of products, to ensure the highest reliability, using the latest 3D control technology, with the lowest possible price to ensure haida consistent high quality. HDX series in functional, modernity and high productivity left a deep impression to people. These products with human body engineering design, the use of famous manufacturers of components, from the engine to every detail to ensure the quality of our products and even their appearance is superb, haida HDX series injection molding machine in the field of entry-level injection molding machine in the global setting the new standard.

01 Broad Scope Of Application
广阔适用范围

HDX 系列具有高强的包容性平台，延续并致力改善各种特殊要求配置，以客户需求为准则，全面快捷的满足各种特殊加工工艺需求。专用性与通用性并存，每种机型有多种直径螺杆可供选择，致力于产品质量最优化。

无论您是需要高精度和重复精度，还是快速性和动态性，HDX 系列可以广泛满足很多注塑技术要求。从高产能的生产过程到技术性大批量零件、再到薄壁注塑件，HDX 系列在日常使用中充分证明了它的可靠性，而且是一再证明。

HDX series inclusive platform with high strength, continuity and committed to improving various configurations of special requirements, criteria on the needs of customers, the comprehensive and fast to meet various special processing requirements. Specificity and generality, each model has a variety of selection of diameter of the screw, is committed to product quality optimization.

Whether you are need to high accuracy and repeat precision and rapidity and dynamic, HDX series can be widely meet the requirements of many injection molding technology. From high-throughput production process to a large amount of technical parts, thin wall injection molding parts, HDX series fully demonstrated its reliability in daily use, and it is proved again and again.

02 The Stability Of The Mature And Reliable
成熟可靠的稳定性

- **Durable 经久耐用**

曲肘含油衬套设计，并配备集中自动润滑系统使得关节零件润滑效果更好，提高关节使用寿命， 通过增加大柱强度有效加强了车壁刚性。

Curved cubits oil bearing bushing design, and equipped with central automatic lubrication system make the joint parts of lubrication effect is better, improve the service life of the joints, by increasing the pillars of strength effectively strengthened the car wall rigidity.

- **Running Stability 运行稳定**

模块化与半闭回路系统，射嘴独立温控 , 无托板式尾板，大大降低拉杆受应力而断裂的几率，确保合模部分在长期高速高压的工作环境下运行在理想状态。

Modular and half closed loop system, nozzle temperature control independently, without pallet tail plate, greatly reduce the chance of pull rod fracture by stress, to ensure that the clamping part in the long run under high speed and high pressure working environment in the ideal state.

For More Than 95% Of The Injection Molding Products

适合95%以上注塑成型产品

03 High Performance To Price Ratio
极高的性价比

- **Concise And Effective 简洁有效**

射座有效改良，喷嘴对中微调装置，可以通过简单的操作将喷嘴对中，校正方便。

Shot effectively improved, the nozzle of the fine-tuning device, can through simple operation to the nozzle, the adjustment is convenient.

- **Rapid Flexible 快速灵活**

顶出模式多样，顶出力和速度根据产品需要设定，提高制品的成品率， 高射速设计，空跑循环时间大幅度减短。

Ejection pattern diversity, output and speed according to the product need to set and improve the yield of products, high speed design, short running cycle time greatly shorten.

- **Manipulation Of The Simplified 操控简化**

最新易操作专用注塑机控制器，响应周期更短，LCD 液晶显示屏，具有八层次灰度显示。

Special injection molding machine controller to the latest easy to operate, the response cycle shorter, LCD display, has eight level gray scale display.

- **Simple Maintenance 维护简便**

机构、油路、配线等模块化设计，更替简便容易。

Institutions, oil pipe, wiring, such as modular design, easy replacement easily.

Injection Systems

注塑系统

Injection Molding Is Stable, Easy Adjustment
注塑稳定、调校容易

优化设计的注射单元提供更高的精度，确保了更高的稳定性。注射部件采用双导柱支撑结构、双缸平稳注射装置，射座改良，射嘴校正易，可以通过简单的操作将喷嘴与模具中心调整对中。每组注射单元3种不同螺杆直径，可供客户自行选择，全面满足个性化加工工艺要求。料筒温度时刻监控，确保高质量成型要求。

Optimization design of the injection unit to provide a higher accuracy, ensure the stability of higher. Injection parts with double guide pillar support structure, smooth two cylinder injection device, shoot and two improved nozzle adjustment easy, can be operated by simple adjustment of the nozzle and the mould center. Injection unit 3 different screw diameter in each group, for customers to choose, fully meet the requirements of personalized processing technology. Cylinder temperature time monitoring, to ensure high quality molding requirements

Clamping System

合模系统

Efficient And Accurate Positioning
高效运行、精确定位

优化设计的斜排五支点双曲肘的合模机构，有效传递强大动力，确保开合模时的高速回应。快速关模平台更是缩短了成型周期，提高了生产效率；低压模具保护装置；多种液压顶出模式；可调动模板支撑结构；拉杆特殊工艺处理，强度可靠。

Optimization design of oblique line of five fulcrum hyperbolic elbow mold clamping mechanism, power transfer effectively, ensure the process of high speed response. Rapid mold-shut platform but also shorten the molding cycle, improve the production efficiency; Low pressure mold protection system; A variety of hydraulic ejector mode; Can transfer the template support structure; Rod special craft processing, strength and reliable.

更加强化的锁模机构满足高效和快速的生产需求。

Reinforce the clamping mechanism can meet the production demands of efficient and fast.

优越的开合模特性
采用进一步优化的连杆机构，运行更快更平稳。

The superior open model
With further optimization of the linkage mechanism,
Run faster and more stable.

专业模板优化设计，模板经先进有限元分析软件优化设计，高刚性，高强度，满足快速、冲击工况需求。

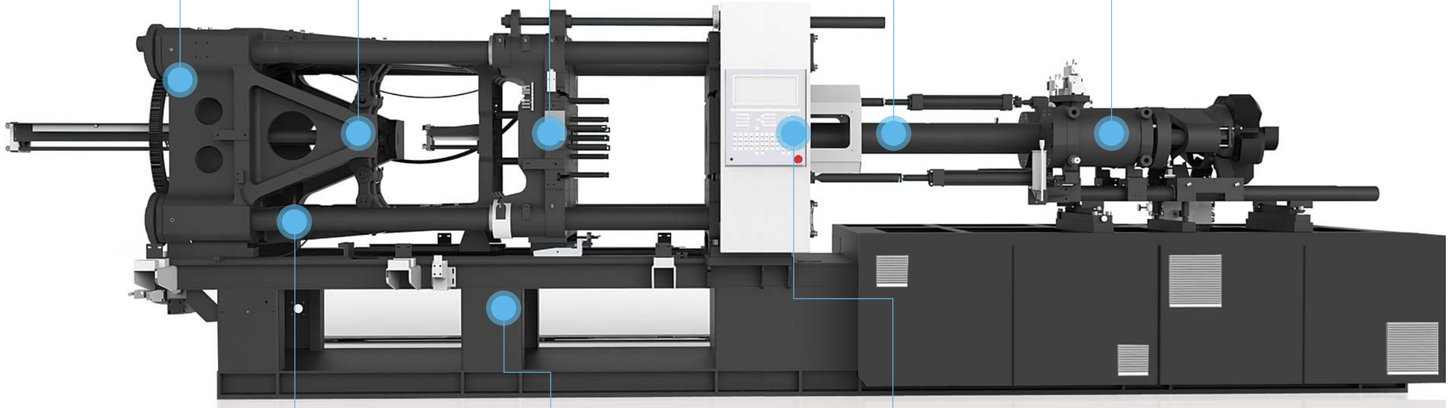
Professional optimization design template template advanced finite element analysis software to optimize design, high rigidity, high strength, meet the demand of fast, impact conditions.

专业的塑化单元适合多种原料生产专业塑化单元，专用的加热功率装置，显著地提高塑化性能。

Professional plasticizing unit
Plasticizing unit suitable for a variety of raw materials to produce professional,Dedicated heating power equipment, significantly improve plasticizing performance.

卓越的注射性能采用双缸注射方式，性能可靠稳定。

Excellent injection performance
Adopts double cylinder injection method, reliable and steady performance.



集中润滑，可靠保护
配置定量分配集中润滑，提供更专业、更优良的润滑保护，机器更洁净。

Centralized lubrication, reliable protection
Configuration of quantitative distribution of concentrated lubrication, provide more professional,Protect better lubrication, cleaner machine.

全新框架式结构
外观简洁大方，机身受力更加合理，刚性高。

New frame type structure
Concise and easy appearance, body force more reasonable, high rigidity.

强大的，人性化控制系统采用专用控制器，全新的人机界面操作方便，运算速度快，可靠性好，扩展性好。

Powerful, humanized control system Adopts special controller, a new man-machine interfaceEasy operation, operation speed, good reliability and good extensibility.

The Control System

控制系统

All Monitoring, Full Control
全部监控、全盘掌握

彩色LCD显示屏；异常报警功能；专用注塑机控制器，双CPU控制，控制与显示CPU相对独立，可靠性好；前后门经济停止按钮；实时监测显示各动作运作情况；系统硬件I/O检测功能；专用注塑机控制器；料筒温度偏差自我修正；高精度位移传感系统。

Color LCD display; Abnormal alarm function; Special injection molding machine controller, the double CPU control, control and display CPU are relatively independent, and reliable; Stop button QianHouMen economy; Real-time monitor shows every action operation situation; The system hardware I/O testing function; Special injection molding machine controller; Cylinder temperature deviation corrections; High precision displacement sensor system.

The Hydraulic System

液压系统

Ease Of Maintenance, Compact Structure
易于维护、结构紧凑

低噪音定量泵系统
油温偏差报警功能
油箱液位计
液压油冷却装置

Low noise quantitative pump system
The oil temperature deviation alarm function
Tank level gauge
Hydraulic oil cooling unit

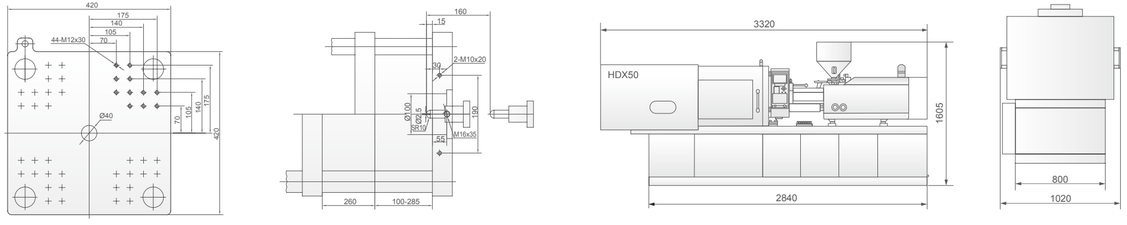
HDX Series Technical Parameters

HDX型系列技术参数

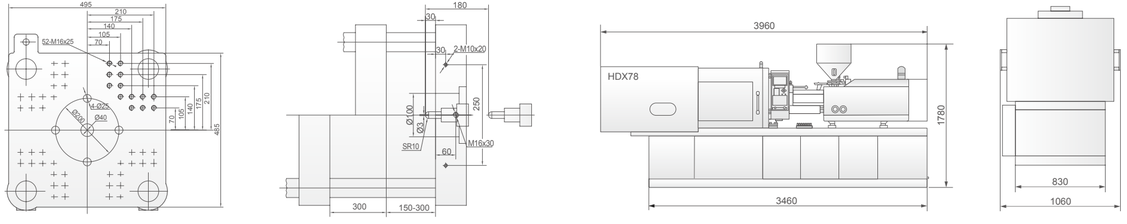
机型 Model	单位 Unit	HDX50		HDX78			HDX88		
注射装置 Injection Unit									
螺杆直径 Screw Diameter	mm	26	30	34	36	40	35	38	40
螺杆长径比 Screw L/D Ratio	L/D	20.9	18.1	21.2	20	18	20.5	19	18
注射容积 Injection Volume	cm^3	55	73	110	125	154	144	170	188
注射重量 Shot Weight	g	50	66	100	114	140	131	155	171
注射压力 Injection Pressure	MPa	190	142	180	160	130	194	165	149
锁模装置 Clamping Unit									
合模力 Clamping Force	kN	500		780			880		
模板行程 Opening Stroke	mm	260		300			320		
导柱内距 Space Between Tie—Bars	mm	285X285		330X330			365X365		
模具厚度 Mould Thickness(Min–Max)	mm	100–285		150–300			150–360		
顶出力 Hydraulic Ejection	kN	20		25			38		
顶出行程 Ejector Stroke	mm	65		80			100		
其它 General									
油泵压力 Pump Pressure	MPa	16		16			16		
电机功率 Motor Power	kW	7.5		9			11		
加热功率 Heater	kW	4.6		6.5			6.5		
外形尺寸 Machine Dimension	m	3.4X1.1X1.6		4.0X1.1X1.8			4.1X1.1X1.9		
机器重量 Machine Weight	t	1.5		2.5			2.8		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø100		Ø100			Ø125		
喷嘴圆球半径 Nozzle Radius	mm	SR10		SR10			SR10		

◎ 正常情况下改善技术规格参数，不予另行通知。
Under Normal Circumstances Improve Technical Specifications, Shall Not Be Further Notice.

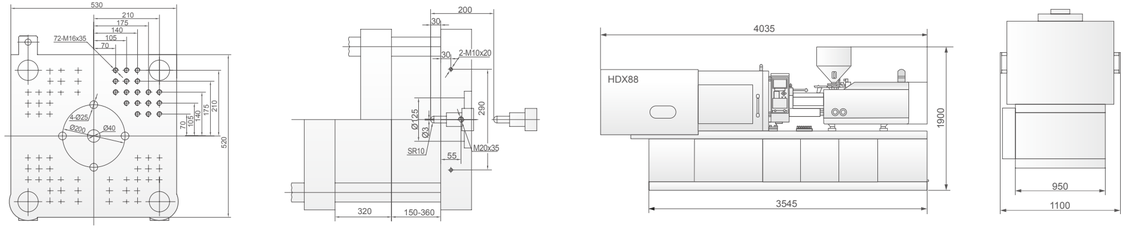
HDX50 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX78 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX88 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX Series Technical Parameters

HDX型系列技术参数

机型 Model	单位 Unit	HDX128			HDX168			HDX208		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	38	40	43	40	45	48	45	50	55
螺杆长径比 Screw L/D Ratio	L/D	21.1	20	18.6	22.5	20.3	19	23.1	20.6	18.7
注射容积 Injection Volume	cm^3	181	201	232	251	318	362	374	461	558
注射重量 Shot Weight	g	165	183	211	229	289	329	340	420	508
注射压力 Injection Pressure	MPa	177	160	138	202	159	140	210	170	141
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	1280			1680			2080		
模板行程 Opening Stroke	mm	360			420			475		
导柱内距 Space Between Tie—Bars	mm	410X410			455X455			515X515		
模具厚度 Mould Thickness(Min-Max)	mm	150-430			180-500			200-520		
顶出力 Hydraulic Ejection	kN	38			45			62		
顶出行程 Ejector Stroke	mm	130			140			165		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	13			15			18.5		
加热功率 Heater	kW	8.5			10			16		
外形尺寸 Machine Dimension	m	4.6X1.2X1.9			5.2X1.3X2.1			5.8X1.5X2.2		
机器重量 Machine Weight	t	3.8			4.8			6.6		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø125			Ø125			Ø160		
喷嘴圆球半径 Nozzle Radius	mm	SR10			SR15			SR15		

◎ 正常情况下改善技术规格参数，不予另行通知。
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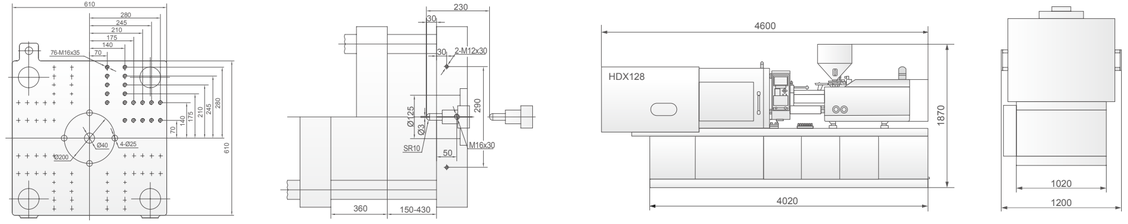
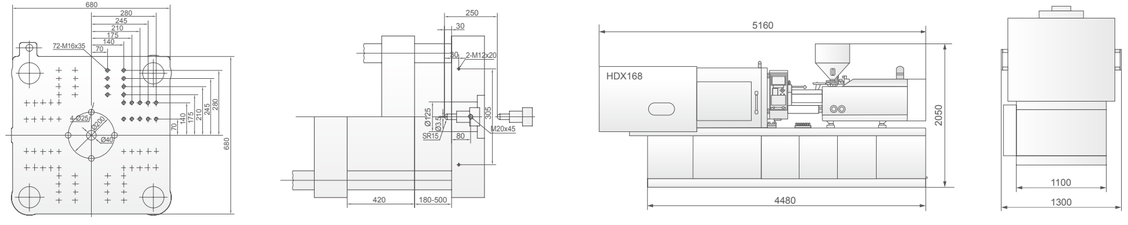
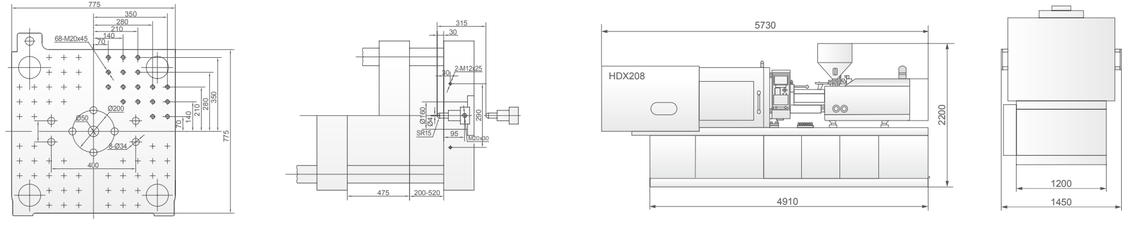
HDX128 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX168 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX208 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX Series Technical Parameters

HDX型系列技术参数

机型 Model	单位 Unit	HDX258			HDX288			HDX328		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	55	60	65	60	65	67	60	67	70
螺杆长径比 Screw L/D Ratio	L/D	21.5	19.7	18.2	21.7	20	19.4	22.9	21	20.1
注射容积 Injection Volume	cm^3	582	692	813	686	805	856	740	923	1008
注射重量 Shot Weight	g	529	630	739	624	733	779	674	840	917
注射压力 Injection Pressure	MPa	184	155	132	190	162	152	213	171	157
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	2580			2880			3280		
模板行程 Opening Stroke	mm	545			610			660		
导柱内距 Space Between Tie—Bars	mm	575X575			610X610			660X660		
模具厚度 Mould Thickness(Min–Max)	mm	220–580			220–630			250–660		
顶出力 Hydraulic Ejection	kN	62			70			80		
顶出行程 Ejector Stroke	mm	165			165			170		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	22			26			30		
加热功率 Heater	kW	18			18			21		
外形尺寸 Machine Dimension	m	6.2X1.5X2.2			6.6X1.6X2.4			6.8X1.7X2.6		
机器重量 Machine Weight	t	7.8			8.5			9.8		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø160			Ø160			Ø160		
喷嘴圆球半径 Nozzle Radius	mm	SR15			SR15			SR15		

◎ 正常情况下改善技术规格参数，不予另行通知。
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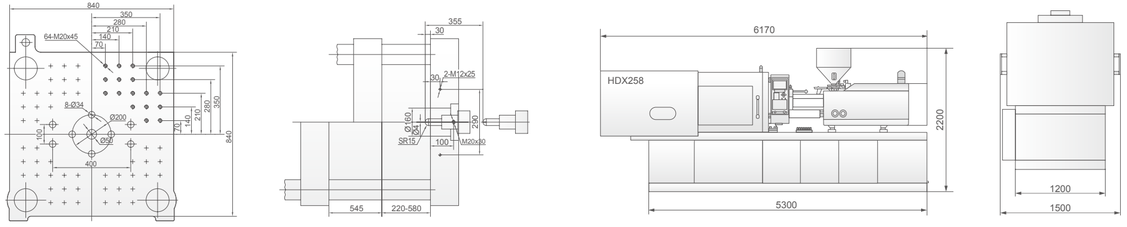
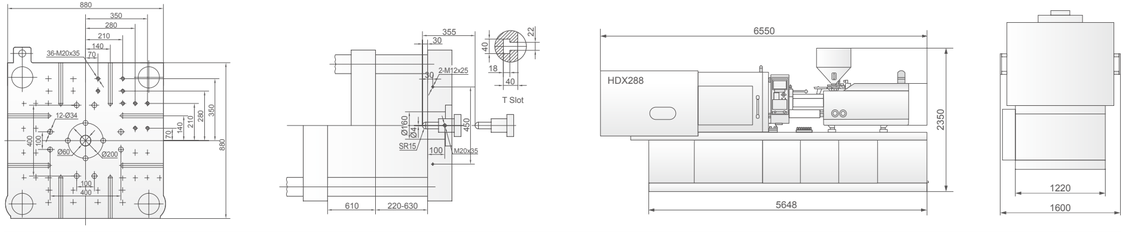
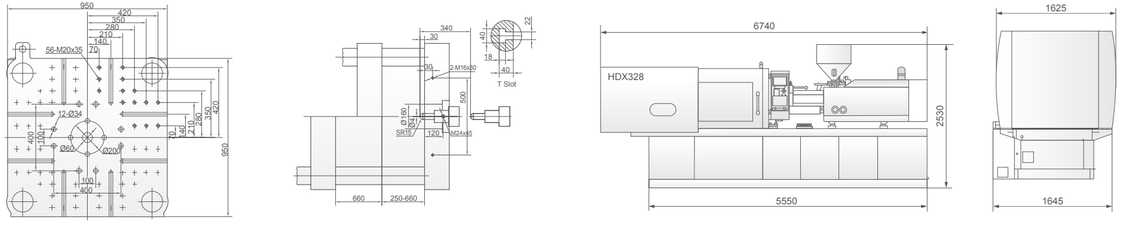
HDX258 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX288 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX328 模板图，机器外型图 / Platen Figure Machine Exterior Figure



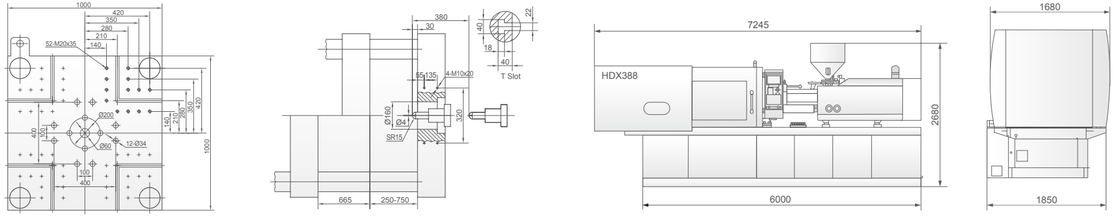
HDX Series Technical Parameters

HDX型系列技术参数

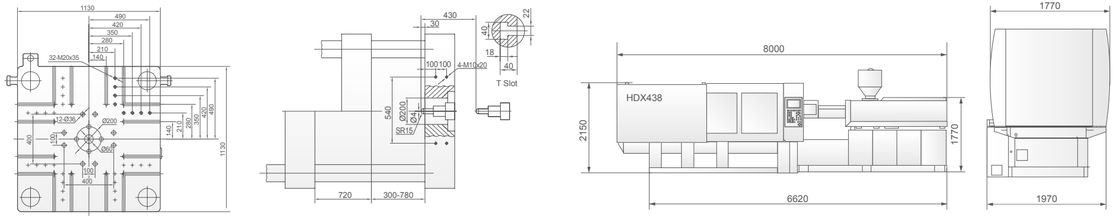
机型 Model	单位 Unit	HDX388			HDX438			HDX538		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	70	75	80	75	80	83	80	85	90
螺杆长径比 Screw L/D Ratio	L/D	20.1	18.8	17.6	22.5	21.1	20.3	21.1	19.9	18.8
注射容积 Injection Volume	cm^3	1242	1426	1623	1634	1860	2002	2069	2336	2619
注射重量 Shot Weight	g	1131	1298	1477	1488	1693	1822	1883	2126	2383
注射压力 Injection Pressure	MPa	180	156	138	180	158	147	178	158	141
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	3880			4380			5380		
模板行程 Opening Stroke	mm	665			720			780		
导柱内距 Space Between Tie—Bars	mm	720X720			765X765			810X810		
模具厚度 Mould Thickness(Min–Max)	mm	250–750			300–780			300–800		
顶出力 Hydraulic Ejection	kN	102			125			152		
顶出行程 Ejector Stroke	mm	200			200			220		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	37			41			55		
加热功率 Heater	kW	24			25			27		
外形尺寸 Machine Dimension	m	7.3X1.9X2.7			8.0X2.0X2.2			8.4X2.1X2.3		
机器重量 Machine Weight	t	13.5			15			18		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø160			Ø200			Ø200		
喷嘴圆球半径 Nozzle Radius	mm	SR15			SR15			SR15		

◎ 正常情况下改善技术规格参数，不予另行通知。
Under Normal Circumstances Improve Technical Specifications, Shall Not Be Further Notice.

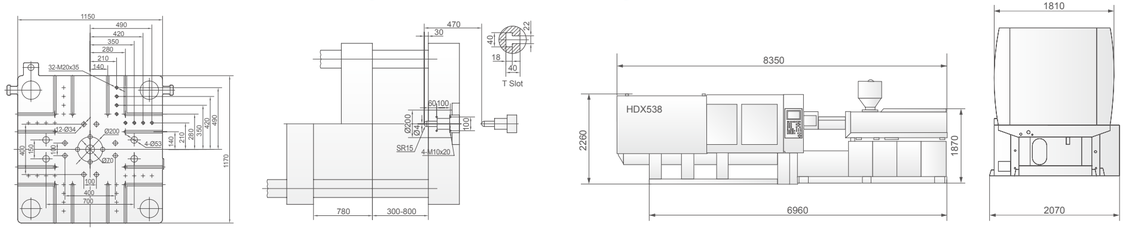
HDX388 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX438 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX538 模板图，机器外型图 / Platen Figure Machine Exterior Figure



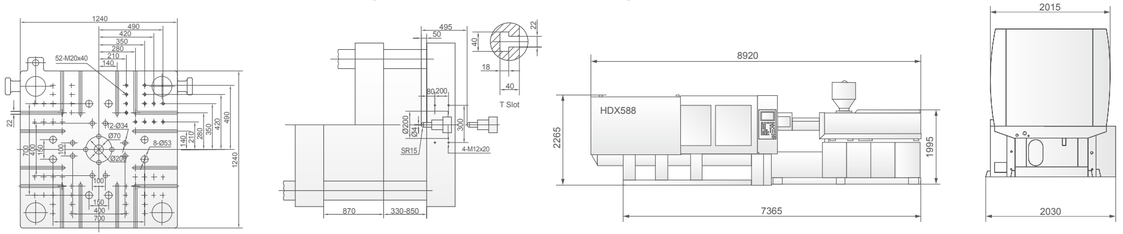
HDX Series Technical Parameters

HDX型系列技术参数

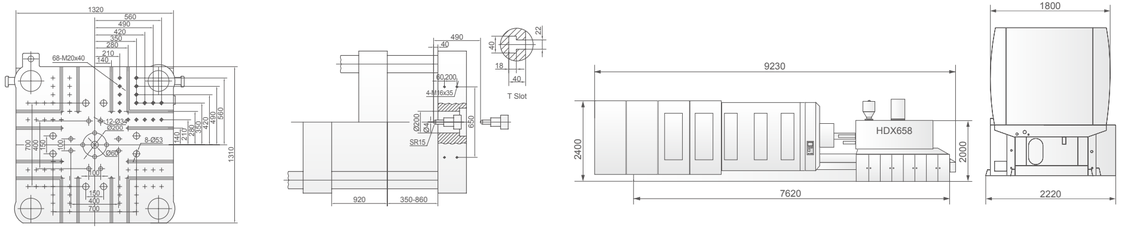
机型 Model	单位 Unit	HDX588			HDX658			HDX768		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	80	85	90	85	90	95	95	98	102
螺杆长径比 Screw L/D Ratio	L/D	21.1	19.9	18.8	21.2	20	19	20	19.3	18.6
注射容积 Injection Volume	cm^3	2211	2496	2798	2485	2786	3105	3130	3332	3610
注射重量 Shot Weight	g	2012	2271	2546	2261	2535	2826	2851	3032	3285
注射压力 Injection Pressure	MPa	178	158	141	182	163	146	172	162	149
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	5880			6580			7680		
模板行程 Opening Stroke	mm	870			920			970		
导柱内距 Space Between Tie—Bars	mm	865X865			915X915			960X950		
模具厚度 Mould Thickness(Min–Max)	mm	330–850			350–860			380–940		
顶出力 Hydraulic Ejection	kN	152			152			180		
顶出行程 Ejector Stroke	mm	220			250			260		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	55			30+30			30+41		
加热功率 Heater	kW	30			34			49		
外形尺寸 Machine Dimension	m	9.0X2.1X2.3			9.3X2.3X2.4			9.3X2.5X2.2		
机器重量 Machine Weight	t	24			28			35		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø200			Ø200			Ø200		
喷嘴圆球半径 Nozzle Radius	mm	SR15			SR15			SR15		

◎ 正常情况下改善技术规格参数，不予另行通知。
Under Normal Circumstances Improve Technical Specifications, Shall Not Be Further Notice.

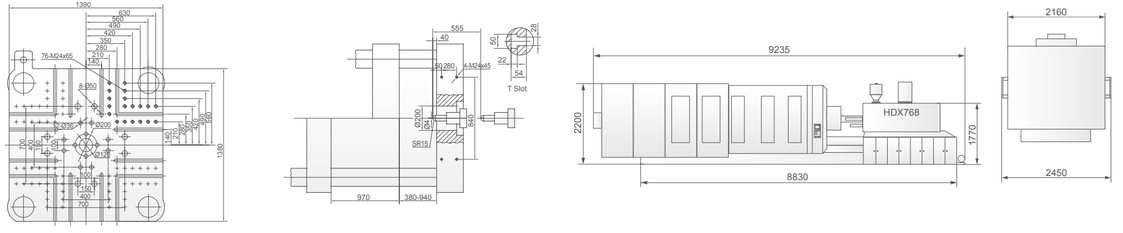
HDX588 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX658 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX768 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX Series Technical Parameters

HDX型系列技术参数

机型 Model	单位 Unit	HDX880			HDX1100			HDX1250		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	100	107	110	110	120	130	120	130	140
螺杆长径比 Screw L/D Ratio	L/D	21.2	19.8	19.3	22	20.2	18.6	24.2	22.3	20.7
注射容积 Injection Volume	cm^3	3848	4395	4656	4942	5881	6902	6556	7694	8923
注射重量 Shot Weight	g	3500	4000	4237	4497	5350	6280	5966	7002	8120
注射压力 Injection Pressure	MPa	184	161	152	184	155	132	178	152	131
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	8800			11000			12500		
模板行程 Opening Stroke	mm	1000			1220			1300		
导柱内距 Space Between Tie—Bars	mm	1090X1030			1160X1160			1260X1260		
模具厚度 Mould Thickness(Min–Max)	mm	400–1100			500–1250			550–1300		
顶出力 Hydraulic Ejection	kN	246			282.6			282.6		
顶出行程 Ejector Stroke	mm	290			325			350		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	41+41			45X2			55X2		
加热功率 Heater	kW	56			58			78.3		
外形尺寸 Machine Dimension	m	11.3X2.7X2.6			12.7X2.8X2.8			13.5X3.1X2.9		
机器重量 Machine Weight	t	48			60			70		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø250			Ø250			Ø250		
喷嘴圆球半径 Nozzle Radius	mm	SR15			SR20			SR20		

◎ 正常情况下改善技术规格参数，不予另行通知。
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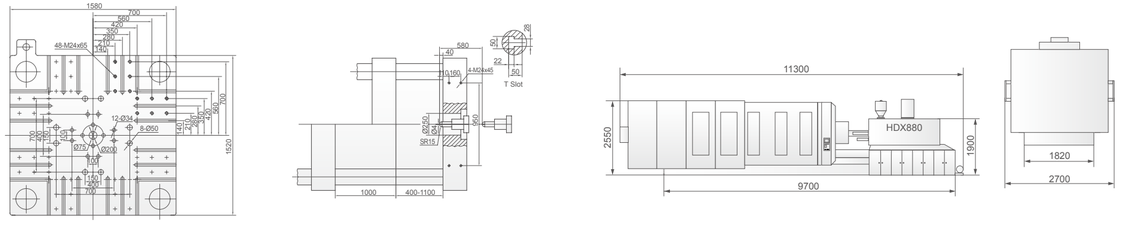
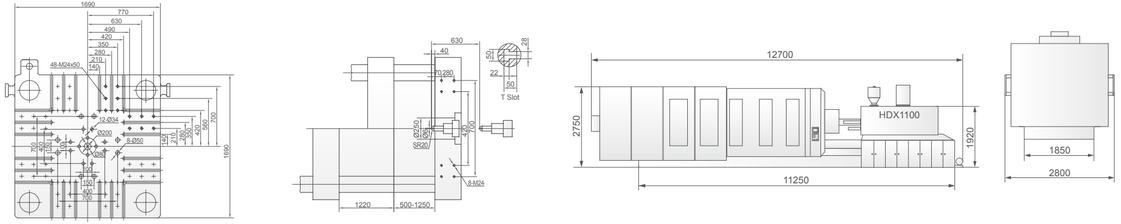
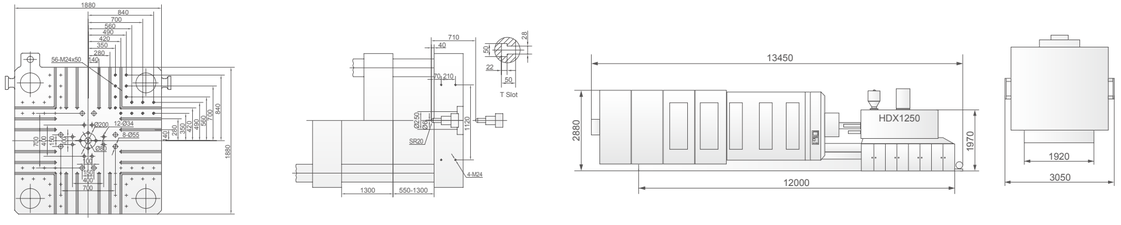
HDX880 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX1100 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX1250 模板图，机器外型图 / Platen Figure Machine Exterior Figure



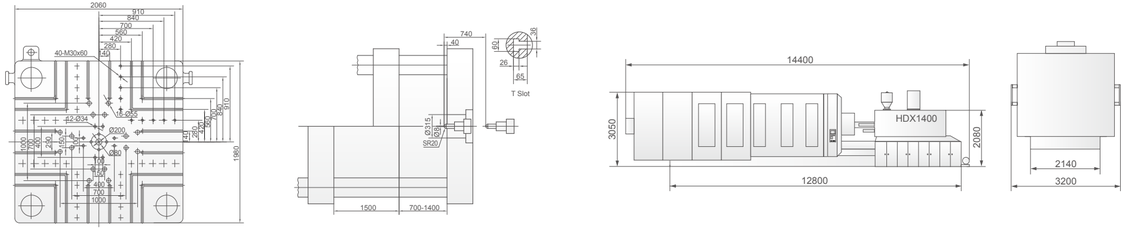
HDX Series Technical Parameters

HDX型系列技术参数

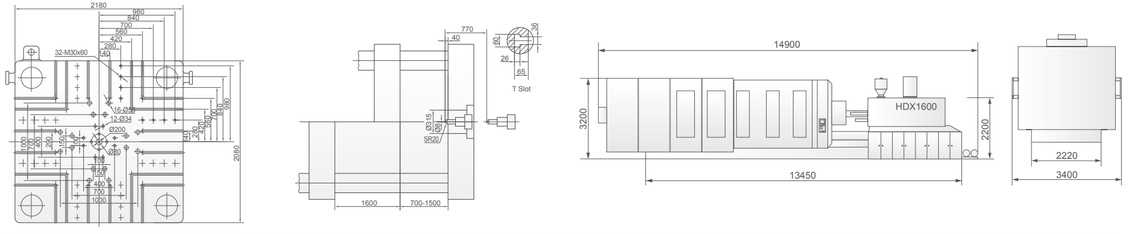
机型 Model	单位 Unit	HDX1400			HDX1600			HDX2000 Ⅰ		
注射装置 Injection Unit										
螺杆直径 Screw Diameter	mm	120	130	140	130	140	150	140	150	160
螺杆长径比 Screw L/D Ratio	L/D	24.2	22.3	20.7	24	22.3	20.8	22.4	20.9	19.6
注射容积 Injection Volume	cm^3	6556	7694	8923	8424	9770	11215	11083	12723	14476
注射重量 Shot Weight	g	5966	7002	8120	7666	8890	10206	10085	11578	13174
注射压力 Injection Pressure	MPa	178	152	131	163	140	122	154	135	120
锁模装置 Clamping Unit										
合模力 Clamping Force	kN	14000			16000			20000		
模板行程 Opening Stroke	mm	1500			1600			1680		
导柱内距 Space Between Tie—Bars	mm	1450X1350			1550X1430			1650X1550		
模具厚度 Mould Thickness(Min–Max)	mm	700–1400			700–1500			700–1600		
顶出力 Hydraulic Ejection	kN	282.6			342			406.9		
顶出行程 Ejector Stroke	mm	350			400			450		
其它 General										
油泵压力 Pump Pressure	MPa	16			16			16		
电机功率 Motor Power	kW	55X2			45X3			55+55+55		
加热功率 Heater	kW	78.3			87.4			95		
外形尺寸 Machine Dimension	m	14.4X3.2X3.1			14.9X3.4X3.2			15.3X3.6X3.4		
机器重量 Machine Weight	t	87			110			148		
模具定位圈直径 Mold Location Recess Diameters	mm	Ø315			Ø315			Ø315		
喷嘴圆球半径 Nozzle Radius	mm	SR20			SR20			SR20		

◎ 正常情况下改善技术规格参数，不予另行通知。
Under Normal Circumstances Improve Technical Specifications, Shall Not Be Further Notice.

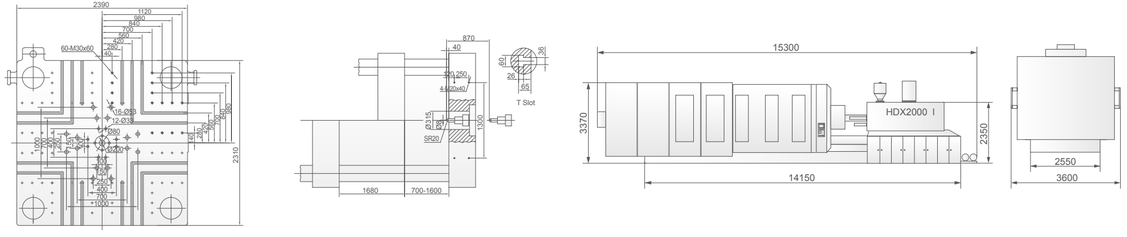
HDX1400 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX1600 模板图，机器外型图 / Platen Figure Machine Exterior Figure

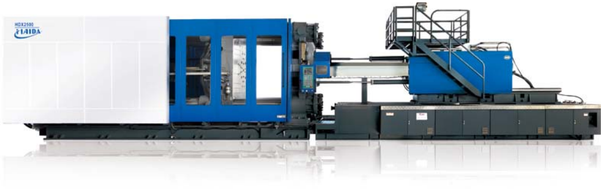


HDX2000 Ⅰ模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX Series Technical Parameters

HDX型系列技术参数



机型 Model	单位 Unit	HDX2000 II	HDX2500	HDX2800
注射装置 Injection Unit				
螺杆直径 Screw Diameter	mm	180	185	200
螺杆长径比 Screw L/D Ratio	L/D	20	20	20
注射容积 Injection Volume	cm^3	24798	28493	33301
注射重量 Shot Weight	g	22566	25929	30304
注射压力 Injection Pressure	MPa	118	146	139
锁模装置 Clamping Unit				
合模力 Clamping Force	kN	20000	25000	28000
模板行程 Opening Stroke	mm	1680	1850	2000
导柱内距 Space Between Tie—Bars	mm	1650X1550	1820X1720	1960X1850
模具厚度 Mould Thickness(Min–Max)	mm	700–1600	700–1800	800–1850
顶出力 Hydraulic Ejection	kN	406.9	565	565
顶出行程 Ejector Stroke	mm	450	480	480
其它 General				
油泵压力 Pump Pressure	MPa	16	16	16
电机功率 Motor Power	kW	55+55+55	55X4	55X4
加热功率 Heater	kW	104	140	149.2
外形尺寸 Machine Dimension	m	17.0X3.6X3.4	19.0X3.9X3.6	20.5X4.0X4.0
机器重量 Machine Weight	t	150	185	205 / 210
模具定位圈直径 Mold Location Recess Diameters	mm	Ø315	Ø315	Ø315
喷嘴圆球半径 Nozzle Radius	mm	SR20	SR30	SR30

◎ 正常情况下改善技术规格参数，不予另行通知。
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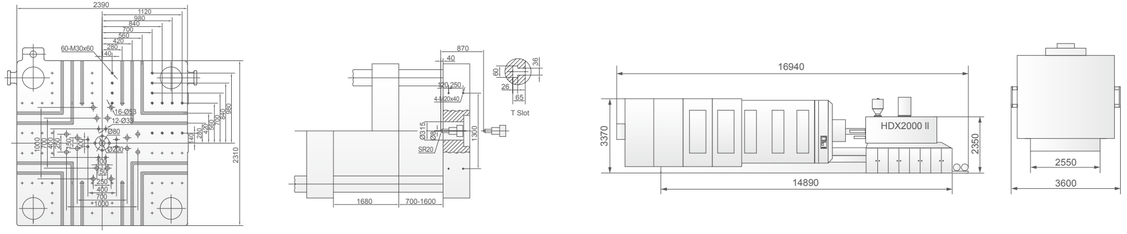
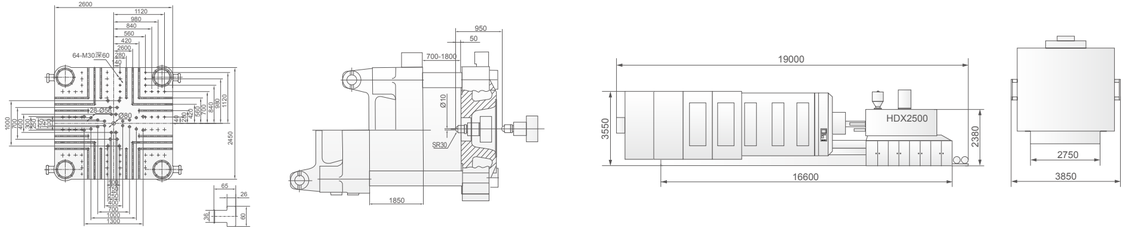
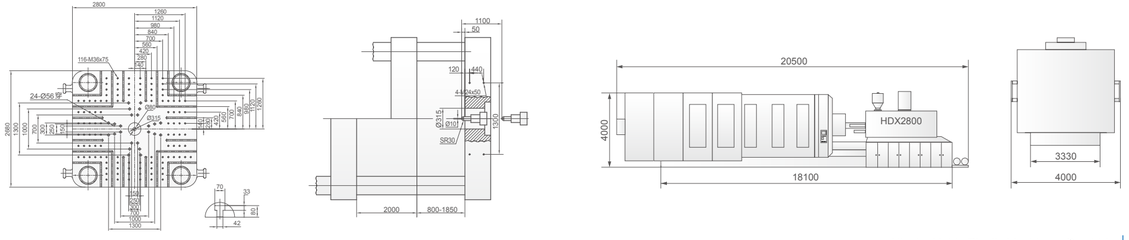
HDX2000 II 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX2500 模板图，机器外型图 / Platen Figure Machine Exterior Figure

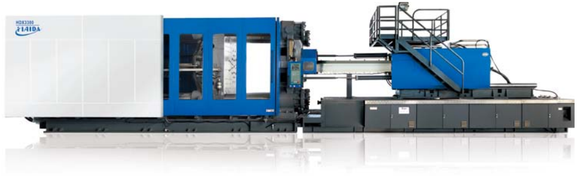


HDX2800 模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX Series Technical Parameters

HDX型系列技术参数



机型 Model	单位 Unit	HDX3300 Ⅰ	HDX3300 Ⅱ
注射装置 Injection Unit			
螺杆直径 Screw Diameter	mm	220	240
螺杆长径比 Screw L/D Ratio	L/D	20	20
注射容积 Injection Volume	cm^3	44095	55191
注射重量 Shot Weight	g	40126	50224
注射压力 Injection Pressure	MPa	137	146
锁模装置 Clamping Unit			
合模力 Clamping Force	kN	33000	33000
模板行程 Opening Stroke	mm	2150	2150
导柱内距 Space Between Tie—Bars	mm	2160X1950	2160X1950
模具厚度 Mould Thickness(Min–Max)	mm	800–1900	800–1900
顶出力 Hydraulic Ejection	kN	814	814
顶出行程 Ejector Stroke	mm	500	500
其它 General			
油泵压力 Pump Pressure	MPa	16	16
电机功率 Motor Power	kW	55X4	55X5
加热功率 Heater	kW	150	150
外形尺寸 Machine Dimension	m	22.0X4.2X4.0	22.5X4.2X3.9
机器重量 Machine Weight	t	230	230
模具定位圈直径 Mold Location Recess Diameters	mm	Ø315	Ø315
喷嘴圆球半径 Nozzle Radius	mm	SR30	SR30

◎ 正常情况下改善技术规格参数，不予另行通知。
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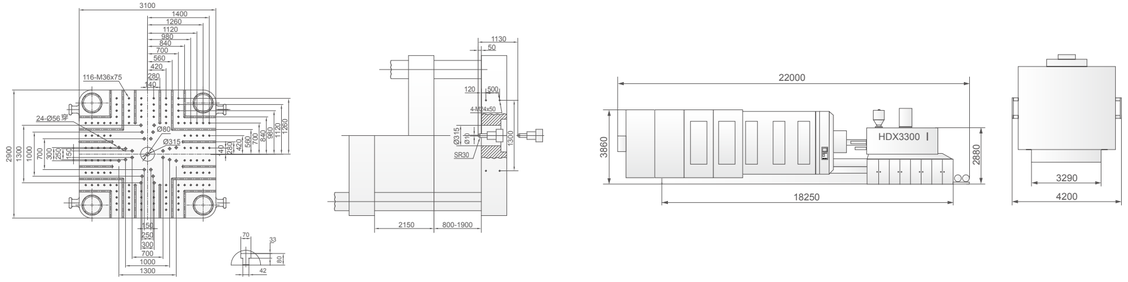
HDX3300 Ⅰ模板图，机器外型图 / Platen Figure Machine Exterior Figure



HDX3300 Ⅱ 模板图，机器外型图 / Platen Figure Machine Exterior Figure