



# HXZ (800~3300T) 系列两板式注塑机

Two-platen Injection Molding Machine



## 宁波海雄塑料机械有限公司

NINGBO BEILUN HIGHSUN MACHINERY CO.,LTD.

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二板塑机 智领注塑

## 宁波海雄塑料机械有限公司

NINGBO BEILUN HIGHSUN MACHINERY CO.,LTD.

# 缔造中国一流的高性能注塑机制造商!



TO BE THE NATIONAL TOP MANUFACTURER  
OF HIGH-PERFORMANCE PLASTICS INJECTION MOLDLING MACHINES!



## COMPANY PROFILE

### 公司简介

**3**

综合实力前三强制制造商

Honored with "Top 3" manufacturer of comprehensive strength by NBPMA over the past decade.

**60<sup>+</sup>**

销往全球60多个国家

Sold to more than 60 countries around the world.

**50<sup>+</sup>**

50年创建历史

Established in 1973. Concentrate on Injection Molding field more than 50 years.

**7000<sup>+</sup>**

年产量7000多台

Annual output more than 7000 sets, ensuring faster delivery time.

**1200000<sup>+</sup>**

占地面积120万平方英尺

It covers an area of 1.2million square feet.

**130,000,000<sup>+</sup>**

全球销量1.3亿美元

Worldwide sales reached 130 million US dollars, exports maintain steady growth.



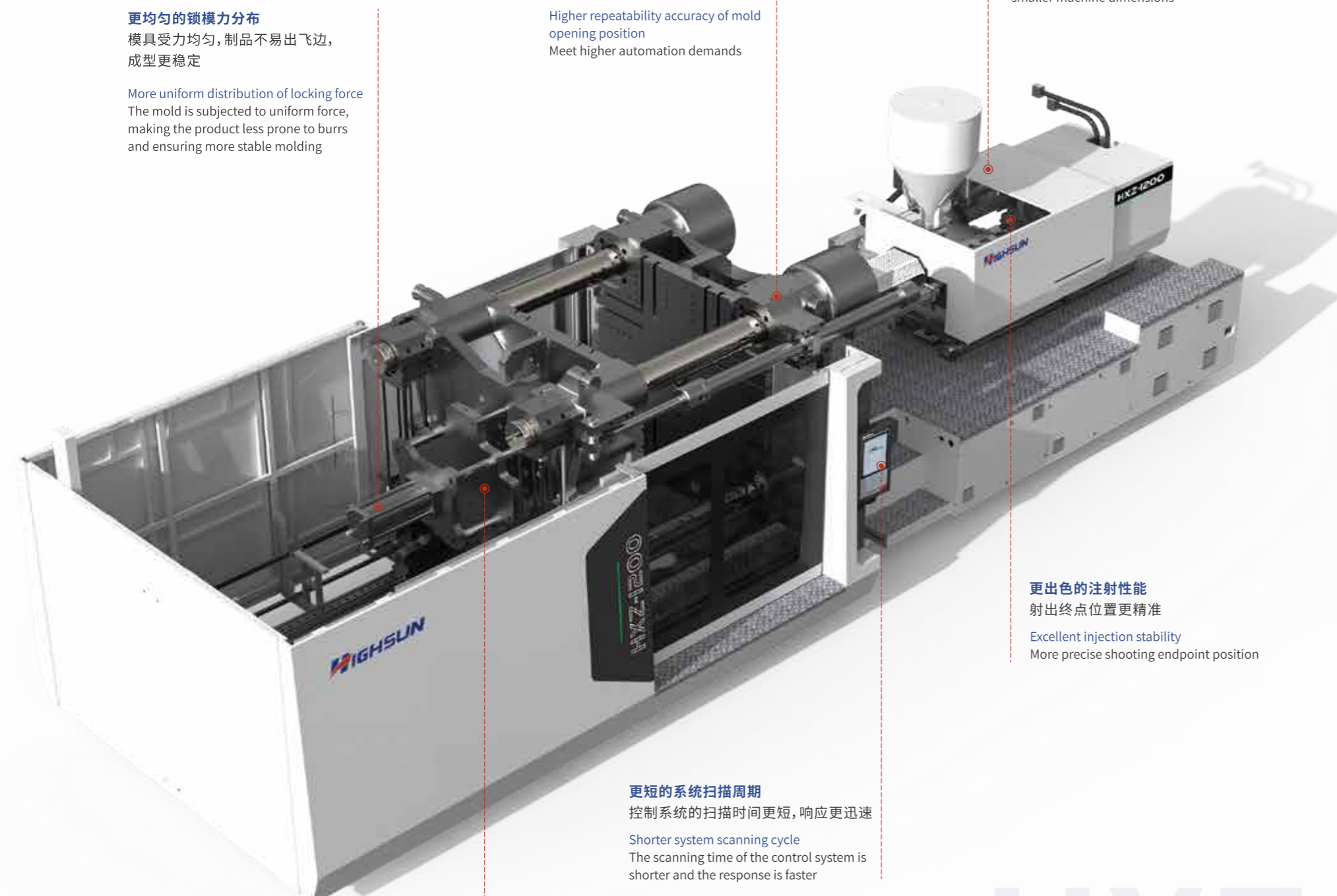
宁波海雄塑料机械有限公司, 地处“中国塑机之都”——浙江省宁波市北仑科技园区, 专业生产“海雄”牌高档精密塑料注射成型机。“走科技路, 造高档机”是海雄的经营宗旨, “追求卓越、塑造完美”是海雄的经营理念。

海雄公司长期致力于精细化管理和零缺陷施工, 形成了以小型油电机、中型连杆机、大型三板机为代表的海雄特色系列。

海雄凭借强大的研发能力、优良的加工设备、专业的售后服务、诚信的经营作风, 产品畅销全国各地。

Ningbo Highsun Plastic Machinery Co., Ltd. is located in the "capital of plastics machinery" -Beilun Science & Technology park of Ningbo.China. The factory covers an area of more than 1200000 square feet, specializing in the production of HIGHSUN brand high-grade injection molding machines. We take "Customer-Centric" as the core value goal, undertaking "Pursuing Excellence, Molding Perfection" as operation philosophy. Concentrate on creating China's leading manufacturer of high-performance injection molding machine as strategic target.

With almost 20 years of rapid development and more than 50 years of accumulation and precipitation of the parent company, HIGHSUN Machinery has been awarded the TOP 3 professional manufacturer for plastic injection molding machine in Ningbo, and one of the TOP 10 manufacturers for plastic molding machine in China. We have been dedicating in the refined production process management and zero defects target manufacture. Over the years, we have been researching and developing complete series (Electricity and Oil Hybrid series, Two-platen series, High-speed series, unmixed double colors series, mixed double colors series, BMC series, PET series, PVC series, etc.) with range from 98T to 3000T of clamping force. Furthermore, we always accept and supply with customized solutions.



**更均匀的锁模力分布**

模具受力均匀，制品不易出飞边，成型更稳定

More uniform distribution of locking force  
The mold is subjected to uniform force, making the product less prone to burrs and ensuring more stable molding

**更高的开模位置重复精度**

满足更高的自动化需求

Higher repeatability accuracy of mold opening position  
Meet higher automation demands

**更小的占地面积**

相对三板机，具有更小的机器外形尺寸

Smaller footprint  
Compared to the three board machine, it has smaller machine dimensions

**更出色的注射性能**

射出终点位置更精准

Excellent injection stability  
More precise shooting endpoint position

**更短的系统扫描周期**

控制系统的扫描时间更短，响应更迅速

Shorter system scanning cycle  
The scanning time of the control system is shorter and the response is faster

**更短的干周期**

相对于同吨位的三板机，有更短的干周期

Shorter drying cycle  
Compared to three plate machines of the same tonnage, it has a shorter drying cycle

两板式注塑机  
**海雄HXZ系列**

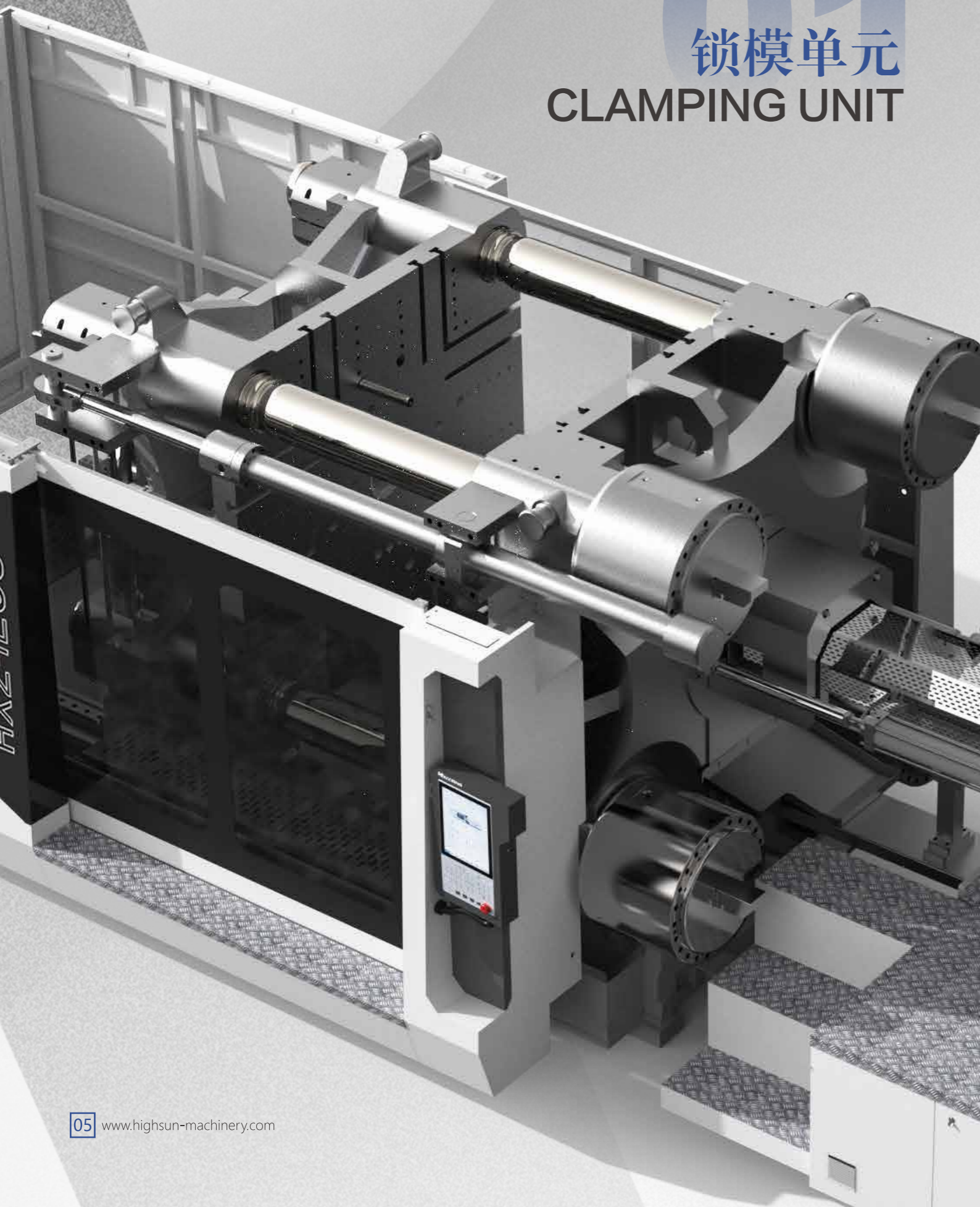
Two-platen Injection Molding Machine

海雄匠心独运，将行业先进技术与十几年二板机研发经验完美融合，打造出了海雄全新一代二板式注塑机。

Highsun has created a new generation of two-board injection molding machines by combining advanced industry technology with over a decade of experience in the development of two-board machines.

**HXZ SERIES**

# 01 锁模单元 CLAMPING UNIT



## 精密 PRECISION

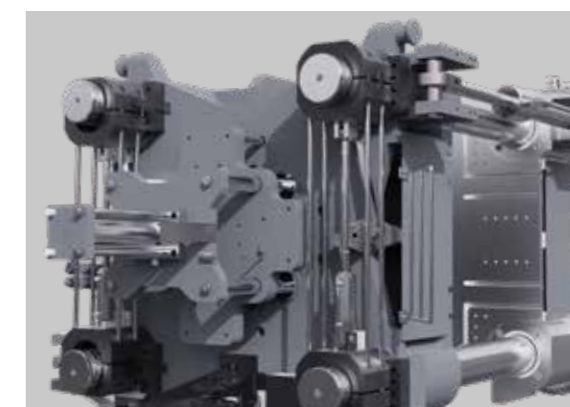
◆ 快速油缸匹配比例阀开关模, 实现快速与平稳的完美融合

Fast oil cylinder matching proportional valve switch module, achieving perfect integration of fast and smooth operation



◆ 防冲击同步抱闸机构, 具有机械式同步功能和缓冲功能的抱闸机构

Anti impact synchronous brake mechanism with mechanical synchronization function Braking mechanism with buffering function



◆ 高刚性机架及导轨精密导向, 导向精度高, 有利于动模板快速平稳运行

High rigidity frame and guide rail precision guidance, high guiding accuracy, conducive to the fast and smooth operation of the dynamic template



# 02

## 注射单元 INJECTION UNIT



## 高效 EFFICIENT

- ◆ 双层结构注射单元设计, 线性导轨注射导向, 阻力低, 精度高, 射出终点位置精准

Double layer structure injection unit design, linear guide rail injection guidance, low resistance, high accuracy, precise injection endpoint position.



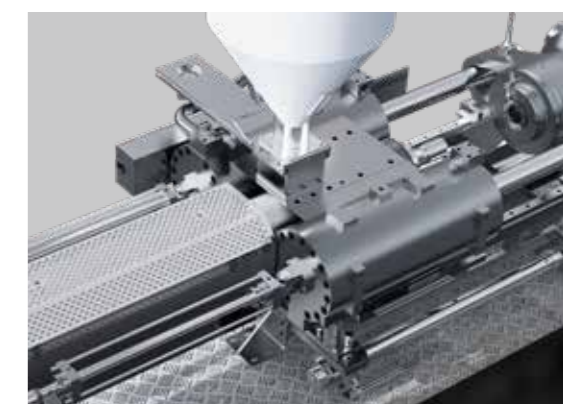
- ◆ 最新螺杆设计技术, 满足不同应用、不同物料的需求, 适用范围广, 适配性强

The latest screw design technology meets the needs of different applications and materials, with a wide range of applications and strong adaptability



- ◆ 装拆便捷的塑化单元装配结构, 方便大型塑化单元的调换

Convenient assembly structure for plasticizing units, facilitating the exchange of large plasticizing units



# 03 控制系统 CONTROL SYSTEM



## 超大触屏, 人性化设计, 性能可靠, 运行稳定

Accurate control, reliable and stable, humanized design

HXZ 系列两板式注塑机, 两板机专用控制系统, 功能强, 系统运行可靠、稳定、安全, 同时具备丰富的扩展功能, 设计更人性化。让客户拥有更佳的使用体验。

The HXZ series two plate injection molding machine is equipped with a dedicated control system for two plate machines, which has strong functions, reliable, stable, and safe system operation. At the same time, it has rich expansion functions and a more user-friendly design. Provide customers with a better user experience.



### ◆ 便于操作

- 快速设定画面, 工艺参数设定简单方便。
- 热流道控制器采用通讯, 参数全部开放至HMI, 支持多段批量操作, 同时热流道参数可与模具参数同时保存, 与上位机交互。

### Easy to operate

- Quickly set up the screen, with simple and convenient process parameter settings.
- The hot runner controller adopts communication, and all parameters are open to HMI, supporting multi-stage batch operations. At the same time, the hot runner parameters can be saved together with the mold parameters and interact with the upper computer.

### ◆ 数据及安全

- 多级用户的访问权限管理, 标配RFID, 操作便利, 保护数据安全;
- 软件及硬件上的多重设备保护功能, 保护人及设备的安全;
- 具有能耗分析功能, 具备单模、单位重量、每小时能耗统计, 让客户对能耗数据了如指掌。

### Data and Security

- Multi level user access permission management, standard RFID, easy operation, and data security protection;
- Multiple device protection functions on software and hardware to protect the safety of people and devices.
- With energy consumption analysis function, it has single-mode, unit weight, and hourly energy consumption statistics, allowing customers to have a clear understanding of energy consumption data.

### ◆ 稳定、快速、精准的控制

- 高响应伺服比例方向阀控制技术, 开合模速度快, 低压保护灵敏, 重复精度高;
- 注射闭环控制, 控制响应快, 重复精度高;
- 料管温度参数自整定功能, 温度控制更精准。

### Stable, fast, and precise control

- High response servo proportional directional valve control technology, fast opening and closing speed, sensitive low-pressure protection, and high repeatability accuracy;
- Injection closed-loop control, fast control response, high repeatability accuracy;
- The temperature parameter self-tuning function of the material tube ensures more precise temperature control.

# 04

## 液压单元 HYDRAULIC UNIT



## 节能 ENERGY CONSERVATION

- ◆ 采用独立的精密过滤系统, 保证液压油的清洁度, 使密封元件使用寿命更长

Adopting an independent precision filtration system to ensure the cleanliness of hydraulic oil and prolong the service life of sealing components

- ◆ 全新设计的伺服驱动液压控制系统, 响应更快, 能耗更低, 效率更高, 运行更稳定

The newly designed servo driven hydraulic control system has faster response, lower energy consumption, higher efficiency, and more stable operation

# 05

## 产品应用 PRODUCT APPLICATION

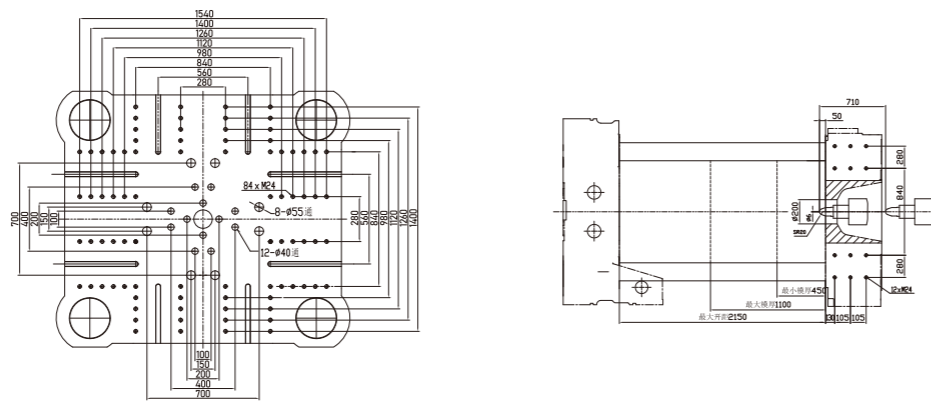


## HXZ系列二板式注塑机产品规格 2026年3月版

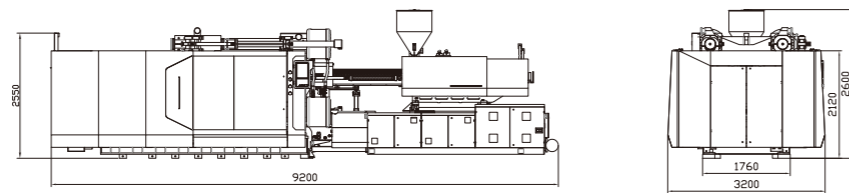
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ800			
<b>注射装置</b>			<b>INJECTION UNIT</b>			
螺杆直径	Screw diameter	mm	A	B	C	D
螺杆长径比	Screw L/D ratio		22	21	20	19
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	2610	2926	3260	3612
注射重量 (PS)	Injection weight(PS)	g	2375	2663	2967	3287
注射压力	Injection pressure	MPa	221	197	177	159
注射速率	Injection rate(PS)	g/s	496	556	620	687
塑化能力	Plasticizing Capacity(ps)	g/s	70	80	85	90
螺杆转速	Screw speed	r/min	145			
<b>合模装置</b>			<b>CLAMPING UNIT</b>			
合模力	Clamping force	kN	8000			
移模行程	Mold opening stroke	mm	1700/1050			
最大模厚	Max mold height	mm	1100			
最小模厚	Min mold height	mm	450			
最大开距	Maximum opening distance	mm	2150			
拉杆有效间距	Dist. between tie bars (H×V)	mm	1150x980			
顶出力	Ejector tonnage	kN	240			
顶出行程	Ejector stroke	mm	300			
顶出点数	Top out points		21			
<b>其它</b>			<b>OTHER</b>			
油泵压力	Pump Pressure	MPa	23			
电机功率	Motor Power	kW	47+47			
加热功率	Heater power	kW	62.2			
外形尺寸	Machine dimension(L x W x H)	m	9.2x3.2x2.6			
油箱容积	Oil tank	L	1000			

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



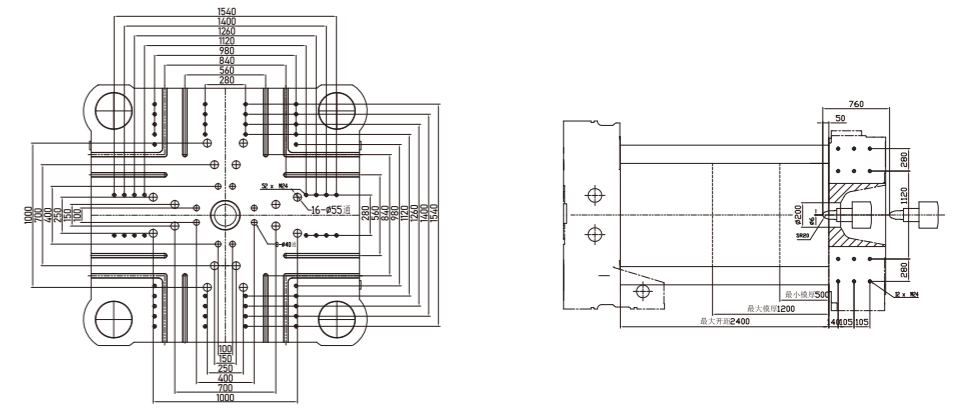
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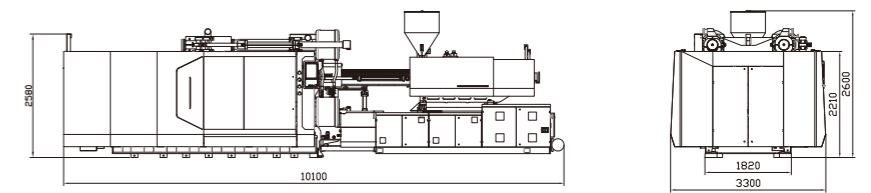
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ1000		
<b>注射装置</b>			<b>INJECTION UNIT</b>		
螺杆直径	Screw diameter	mm	A	B	C
螺杆长径比	Screw L/D ratio		22	21	20
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	3849	4264	4701
注射重量 (PS)	Injection weight(PS)	g	3502	3880	4278
注射压力	Injection pressure	MPa	191	173	157
注射速率	Injection rate(PS)	g/s	608	674	743
塑化能力	Plasticizing Capacity(ps)	g/s	85	90	98
螺杆转速	Screw speed	r/min	110		
<b>合模装置</b>			<b>CLAMPING UNIT</b>		
合模力	Clamping force	kN	10000		
移模行程	Mold opening stroke	mm	1900/1200		
最大模厚	Max mold height	mm	1200		
最小模厚	Min mold height	mm	500		
最大开距	Maximum opening distance	mm	2400		
拉杆有效间距	Dist. between tie bars (H×V)	mm	1260x1120		
顶出力	Ejector tonnage	kN	300		
顶出行程	Ejector stroke	mm	350		
顶出点数	Top out points		21		
<b>其它</b>			<b>OTHER</b>		
油泵压力	Pump Pressure	MPa	23		
电机功率	Motor Power	kW	47+47+47		
加热功率	Heater power	kW	85.5		
外形尺寸	Machine dimension(L x W x H)	m	10.1x3.3x2.6		
油箱容积	Oil tank	L	1000		

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



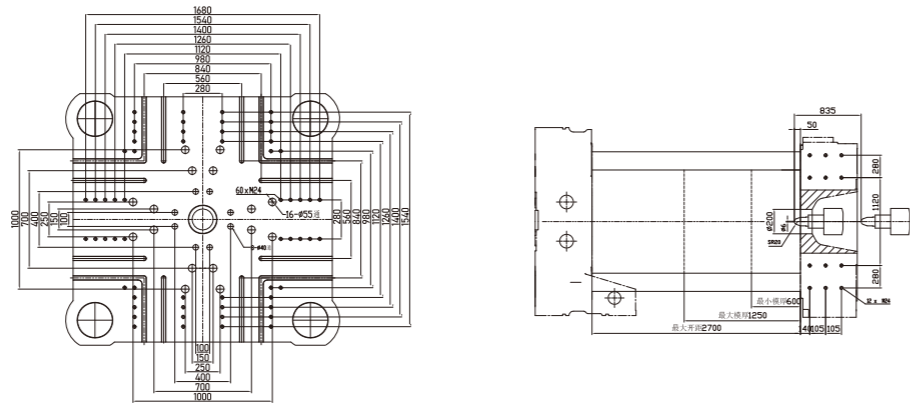
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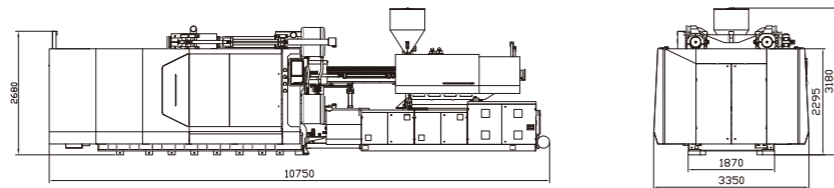
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ1200		
注射装置	INJECTION UNIT		A	B	C
螺杆直径	Screw diameter	mm	100	110	120
螺杆长径比	Screw L/D ratio		24	22	21
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	4790	5797	6898
注射重量 (PS)	Injection weight(PS)	g	4359	5275	6278
注射压力	Injection pressure	MPa	235	194	163
注射速率	Injection rate(PS)	g/s	709	858	1021
塑化能力	Plasticizing Capacity(ps)	g/s	90	101	112
螺杆转速	Screw speed	r/min		110	
合模装置	CLAMPING UNIT				
合模力	Clamping force	kN		12000	
移模行程	Mold opening stroke	mm		2100/1450	
最大模厚	Max mold height	mm		1250	
最小模厚	Min mold height	mm		600	
最大开距	Maximum opening distance	mm		2700	
拉杆有效间距	Dist. between tie bars (H×V)	mm		1310x1210	
顶出力	Ejector tonnage	kN		350	
顶出行程	Ejector stroke	mm		400	
顶出点数	Top out points			21	
其它	OTHER				
油泵压力	Pump Pressure	MPa		21	
电机功率	Motor Power	kW		47+47+47	
加热功率	Heater power	kW		85.5	
外形尺寸	Machine dimension(L x W x H)	m		10.75x3.35x2.68	
油箱容积	Oil tank	L		1200	

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



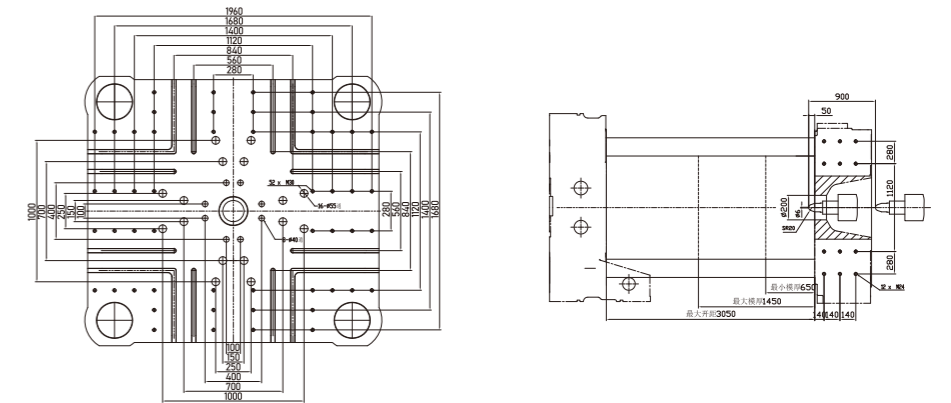
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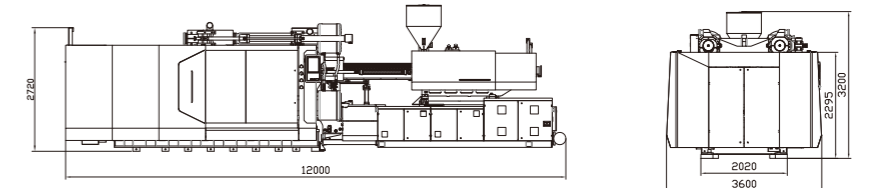
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ1400		
注射装置	INJECTION UNIT		A	B	C
螺杆直径	Screw diameter	mm	110	120	130
螺杆长径比	Screw L/D ratio		22	21	19
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	5797	6898	8096
注射重量 (PS)	Injection weight(PS)	g	5275	6278	7367
注射压力	Injection pressure	MPa	194	163	139
注射速率	Injection rate(PS)	g/s	858	1021	1198
塑化能力	Plasticizing Capacity(ps)	g/s	101	112	125
螺杆转速	Screw speed	r/min		110	
合模装置	CLAMPING UNIT				
合模力	Clamping force	kN		14000	
移模行程	Mold opening stroke	mm		2400/1600	
最大模厚	Max mold height	mm		1450	
最小模厚	Min mold height	mm		650	
最大开距	Maximum opening distance	mm		3050	
拉杆有效间距	Dist. between tie bars (H×V)	mm		1460x1360	
顶出力	Ejector tonnage	kN		380	
顶出行程	Ejector stroke	mm		420	
顶出点数	Top out points			21	
其它	OTHER				
油泵压力	Pump Pressure	MPa		23	
电机功率	Motor Power	kW		40+40+47+47	
加热功率	Heater power	kW		99.8	
外形尺寸	Machine dimension(L x W x H)	m		12x3.6x3.2	
油箱容积	Oil tank	L		1400	

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



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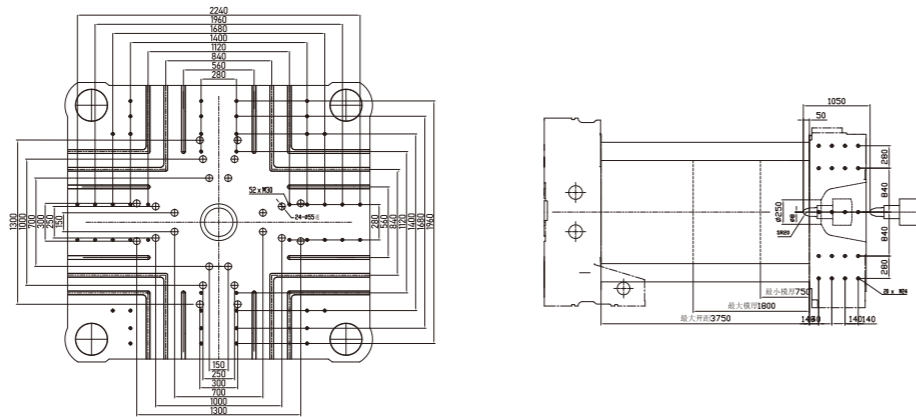


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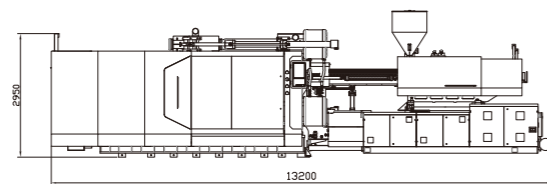
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ2100			
<b>注射装置</b>			<b>INJECTION UNIT</b>			
			<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
螺杆直径	Screw diameter	mm	130	140	150	160
螺杆长径比	Screw L/D ratio		23	22	21	20
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	9291	10775	12370	14074
注射重量 (PS)	Injection weight(PS)	g	8455	9805	11256	12807
注射压力	Injection pressure	MPa	204	176	153	135
注射速率	Injection rate(PS)	g/s	1194	1385	1590	1809
塑化能力	Plasticizing Capacity(ps)	g/s	109	130	150	162
螺杆转速	Screw speed	r/min	90			
<b>合模装置</b>			<b>CLAMPING UNIT</b>			
合模力	Clamping force	kN	21000			
移模行程	Mold opening stroke	mm	3000/1950			
最大模厚	Max mold height	mm	1800			
最小模厚	Min mold height	mm	750			
最大开距	Maximum opening distance	mm	3750			
拉杆有效间距	Dist. between tie bars (H×V)	mm	1820x1620			
顶出力	Ejector tonnage	kN	480			
顶出行程	Ejector stroke	mm	500			
顶出点数	Top out points		25			
<b>其它</b>			<b>OTHER</b>			
油泵压力	Pump Pressure	MPa	25			
电机功率	Motor Power	kW	40+40+47+47			
加热功率	Heater power	kW	162.15			
外形尺寸	Machine dimension(L x W x H)	m	13.2x4.6x4.5			
油箱容积	Oil tank	L	2000			

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



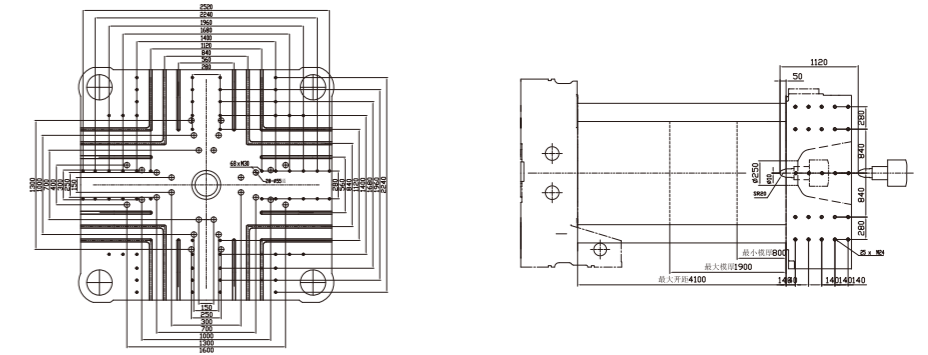
产品技术参数更改,恕不另行通知 Due to continual improvement,specificationms are subject to change without notification

## HXZ系列二板式注塑机产品规格 2026年3月版

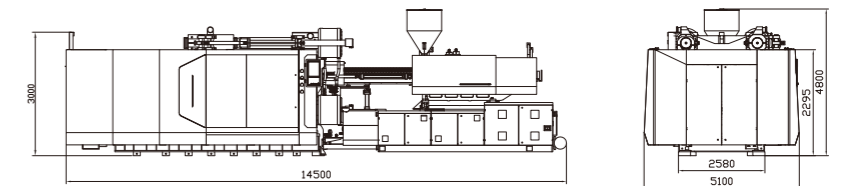
Product specifications of HXZ series two plate injection molding machine

参数	PARAMETER	UNIT	HXZ2400		
<b>注射装置</b>			<b>INJECTION UNIT</b>		
			<b>A</b>	<b>B</b>	<b>C</b>
螺杆直径	Screw diameter	mm	155	165	175
螺杆长径比	Screw L/D ratio		23	22	21
理论注射容积	Injection volume(theoretical)	cm <sup>3</sup>	17737	20099	22609
注射重量 (PS)	Injection weight(PS)	g	16140	18290	20574
注射压力	Injection pressure	MPa	181	160	142
注射速率	Injection rate(PS)	g/s	1342	1521	1711
塑化能力	Plasticizing Capacity(ps)	g/s	100	115	135
螺杆转速	Screw speed	r/min	66		
<b>合模装置</b>			<b>CLAMPING UNIT</b>		
合模力	Clamping force	kN	24000		
移模行程	Mold opening stroke	mm	3300/2200		
最大模厚	Max mold height	mm	1900		
最小模厚	Min mold height	mm	800		
最大开距	Maximum opening distance	mm	4100		
拉杆有效间距	Dist. between tie bars (H×V)	mm	1920x1720		
顶出力	Ejector tonnage	kN	520		
顶出行程	Ejector stroke	mm	520		
顶出点数	Top out points		25		
<b>其它</b>			<b>OTHER</b>		
油泵压力	Pump Pressure	MPa	25		
电机功率	Motor Power	kW	40+40+47+47		
加热功率	Heater power	kW	214.15		
外形尺寸	Machine dimension(L x W x H)	m	14.5x5.1x4.8		
油箱容积	Oil tank	L	2200		

模板尺寸  
Platen Dimensions



外形尺寸  
Machine dimension



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