

**中国华南制造基地**  
**SOUTH CHINA MANUFACTURE BASIS**

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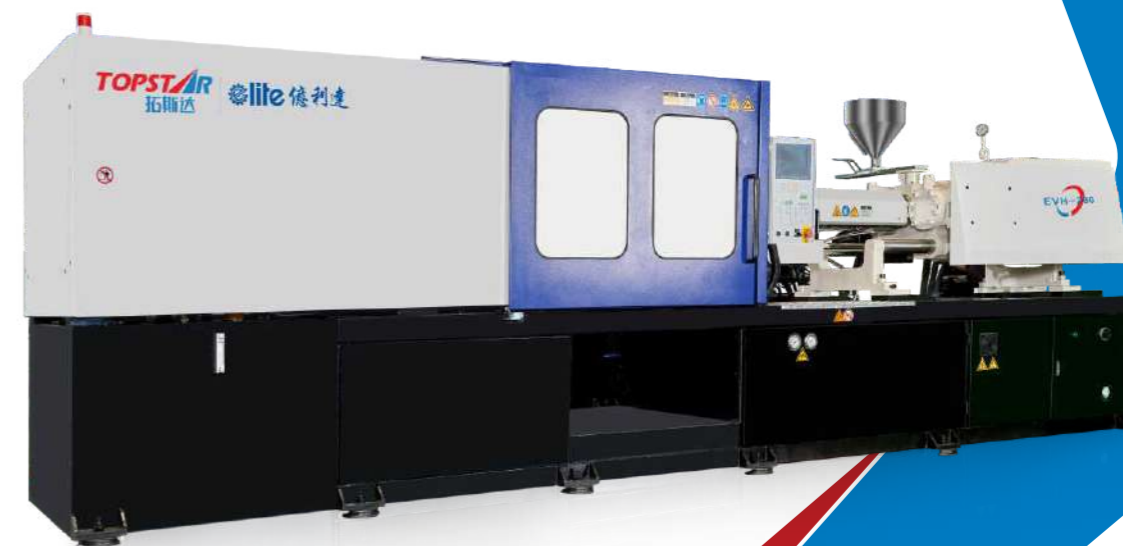
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# EVH 系列

## EVH SERIES



全国统一客服热线  
Domestic Service Hotline  
400-096-8005

www.topstarltd.com



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股票代码 Stock Code

**300607**

让工业制造更美好  
Making Industrial Manufacturing Better

# CONTENTS

## 目录

### 01

#### 企业形象篇 Chapter of Corporate Identity

公司简介  
Company profile

企业文化  
Company Culture

01 | 05

### 02

#### EVH系列直压式注塑机 EVH series straight pressure injection moulding machine

EVH产品介绍  
EVH product introduction

EVH产品配件  
EVH product accessories

直压式与机铰式  
Straight pressing type and toggle type

应用行业  
Application industry

EVH参数表  
EVH parameter List

EVH模板规格表  
EVH platen specification sheet

EVH外型及安装基础尺寸  
EVH outline and installation dimensions

EVH机械手安装接口尺寸  
EVH robot mounting dimensions

06 | 23

### 03

#### 全球服务网点 Global service

服务客户展示  
Our customers

24 | 25



**COMPANY  
PROFILE**  
公司简介

## 广东拓斯达科技股份有限公司

服务客户

**10000+**

科研成果

**498+**

广东拓斯达科技股份有限公司(简称:拓斯达,股票代码:300607)是广东省首家上市的机器人骨干企业。公司成立于2007年,总部位于广东省东莞市大岭山镇,注册资本2.66亿元。

拓斯达坚持“让工业制造更美好”的企业使命,长期以来致力于工业制造自动化的创新与应用,通过以工业机器人、注塑机、CNC为核心的智能装备,以及控制器、伺服驱动、视觉系统三大核心技术,打造以核心技术驱动的智能硬件平台,为制造企业提供智能工厂整体解决方案。

截至2020年底,公司已在全国设有40余家办事处,触达客户超15万家,服务客户超10000家。凭借对市场的准确把握,对行业的深刻理解,以及多年积累的优质客户资源,公司已在行业内树立了良好的品牌形象,具备较为突出的竞争优势。

拓斯达是国家高新技术企业,建有广东省3C智能机器人与柔性制造企业重点实验室、广东省工业机器人与智能装备驱控一体化系统及应用技术工程技术研究中心、广东省企业技术中心、广东省博士工作站。截至2021年2月,公司拥有授权专利498件,其中发明专利20件,另有软件著作权66件。公司多项产品荣获广东名牌产品、广东高新技术产品,并通过欧洲CE认证。2018年荣获“东莞市政府质量奖”,2019年纳税首次破亿,并荣获“2019年度东莞市效益贡献奖”“2019年度东莞市规模效益成长性排名前20名工业企业”,2020年荣获“东莞市先进集体”等荣誉。

## Guangdong Topstar Technology Co., Ltd.

Guangdong Topstar Technology Co., Ltd. (abbr. Topstar, stock code: 300607) is the first listed core robot enterprise in Guangdong Province. The company was founded in 2007 and is headquartered in Dalingshan Town, Dongguan City, Guangdong Province, with a registered capital of 266 million yuan.

Topstar adheres to the corporate mission of "making industrial manufacturing better" and has long been committed to the innovation and application of industrial manufacturing automation. Through intelligent equipment with industrial robots, injection molding machines and CNC as the core, as well as controllers, servo drives, and vision system as three core technologies create an intelligent hardware platform driven by core technologies, and provide manufacturing enterprises with turnkey solutions for smart factories.

As of the end of 2020, the company has set up more than 40 offices across the country, reaching more than 150,000 customers and serving more than 10,000 customers. Relying on an accurate grasp of the market, a deep understanding of the industry, and high-quality customer resources accumulated over the years, the company has established a good brand image in the industry and has a relatively prominent competitive advantage.

Topstar is a national high-tech enterprise. It has established the Guangdong Key Laboratory of 3C Intelligent Robots and Flexible Manufacturing Enterprises, Guangdong Engineering Technology Research Center for Industrial Robots and Intelligent Equipment Driving and Control Integrated System and Application Technology, Guangdong Enterprise Technology Center, Doctoral Workstation of Guangdong Province. As of February 2021, the company has 498 authorized patents, including 20 invention patents and 66 software copyrights. Many of the company's products have been awarded Guangdong Famous Brand Products, Guangdong High-tech Products, and have passed CE certificate. In 2018, Topstar won the "Dongguan Municipal Government Quality Award". In 2019, the tax payment exceeded 100 million for the first time, and awarded the "2019 Dongguan City Benefit Contribution Award" and the "2019 Dongguan City Scale Efficiency Growth Ranking Top 20 Industrial Enterprises". In 2020, Topstar won the "Dongguan Advanced Collective" and other honors.

## COMPANY CULTURE 企业文化

### 企业使命

让工业制造更美好!

### 企业愿景

助力100万制造企业实现智能制造。  
助力100万工程师服务于智能制造。

### 企业定位

专注建立工业机器人、自动化解决方案生态圈的全球智能制造综合服务平台。

### 核心价值观

全心全意为客户服务!  
群体奋斗, 群体成功!

### 组织气质

开放协同, 因我不同。

### Enterprise Mission

Make Industrial Manufacturing Better.

### Enterprise Vision

To help millions of manufacturing enterprises to realize intelligent manufacture;  
To help millions of engineers serving the intelligent manufacture.

### Enterprise Positioning

Global intelligent manufacturing service platform, focus on industrial robots and automation solutions.

### Core Values

Wholeheartedly for Customer Service  
Together We Strive, Together We Achieve

### Team Spirit

Cooperate but respect personality



# EVH SERIES STRAIGHT PRESSING INJECTION MOULDING MACHINE

## EVH系列直压式注塑机

锁模精度高达 **±0.05mm**

The mould clamping accuracy is as high as ±0.05mm

合格率达 **98%**

The qualified rate is up to 98%



### 精密稳定 Precision and stability:

- 直压式中央锁模结构;
- 开合模位置精准, 锁模精度高达 ±0.05mm;
- 直压机模板平行度高, 稳定性好。
- Straight pressing type central mould clamping structure;
- Accurate mould opening and closing position, and the mould clamping accuracy is up to ±0.05mm;
- The platen of the straight pressing moulding machine has high parallelism and good stability.

### 保养便捷 Easy maintenance:

- 采用油脂润滑, 保持机台干净, 适合无尘车间使用。
- Use grease lubrication to keep the machine clean and suitable for use in dust-free workshops.

### 产品良率高 High product yield:

- 优良的模板平行度确保产品成型合格率达98%, 满足自动化生产。
- Excellent platen parallelism ensures that the qualified rate of product moulding reaches 98%, meeting the requirements of automatic production.

### 可靠耐用 Reliability and durability:

- 开模行程大, 有2段锁模功能;
- 模具受力均匀, 减少机板变形, 产品不易飞边, 提升模具寿命。
- Large mould opening stroke, with 2-stage mould clamping function;
- The mould is stressed evenly, with less deformation of the machine platen, and little flash of product, thus prolonging the service life of the mould.

### 产品介绍

直压锁模注塑机以其独特的锁模结构, 稳定性及高效节能为特点, 采用国内外先进的电器和液压组件, 大大提高了制品的重复精度和尺寸精度。直压锁模与传统的机铰锁模相比, 减少许多易损部件, 提高机械寿命。

### Product Introduction

The straight pressing mould clamping injection moulding machine is characterized by its unique mould clamping structure, stability, high efficiency and energy saving. By adopting advanced electrical appliances and hydraulic pressing components from domestic and abroad, the repeat and dimensional accuracy of products have been greatly improved. Compared with the traditional toggle clamping, the straight pressing mould clamping has less vulnerable parts and longer mechanical life.



### 控制器 Controller

欧洲KEBA品牌控制器，高速响应，实现精密控制，使操作更简单，成形参数设定明确精准，提高使用效率。

Adopt European KEBA brand controller, which has high-speed response and can realize precise control, making the operation simpler, moulding parameters clear and accurate, and the use efficiency higher.

#### 控制器特点

Characteristics of controller

- 强大的品牌优势，超高的附加价值；
- 6层 SMT 表面贴装技术，I/O 短路保护；
- 多种 I/O 扩展模块可灵活配置；
- 控制器接口功能强大，配备USB、RS485/422、CANOpen, EtherNet, EtherCAT。
- Strong brand advantage and super high added value;
- 6-layer SMT surface mounting technology, I/O short circuit protection;
- A variety of I/O expansion modules that can be flexibly configured;
- Powerful controller interface function, equipped with USB, RS485/422, CANOpen, EtherNet and EtherCAT.



### 伺服电机 Servo motor

伺服马达作为整机动力源，依照机器在所需运转状态控制转速。机器的速度和压力由伺服马达以闭环控制取代液压比例阀。

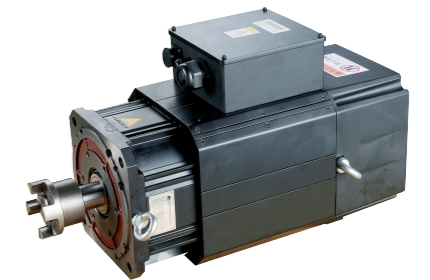
As the power source of the whole machine, the servo motor controls the rotating speed according to the required running state of the machine. The servo motors replaces hydraulic proportional valve and controls the speed and pressing of the machine with closed loop.



#### 伺服动力系统特点

Characteristics of servo power system

- 品牌伺服电机，节能50%以上；
- 建压时间在70MS以内，高响应，适应精度高的产品；
- 采用低惯量电机，转速闭环控制，精准控制制品所需的速度；
- 驱动器采用PID算法，精准的带动油泵，提供稳定的压力。
- Brand servo electronics, which can save more than 50% of energy;
- Products with less than 70MS voltage buildup time, high response and high accuracy;
- Adopting low inertia motor, closed loop rotating speed control, precisely controlling the required speed of product.
- Accurate driving of oil pump by PID algorithm driver, providing stable pressing.



### 配件品牌 Parts brand



电磁换向阀  
Electromagnetic reversing valve



熔胶马达  
Melting motor



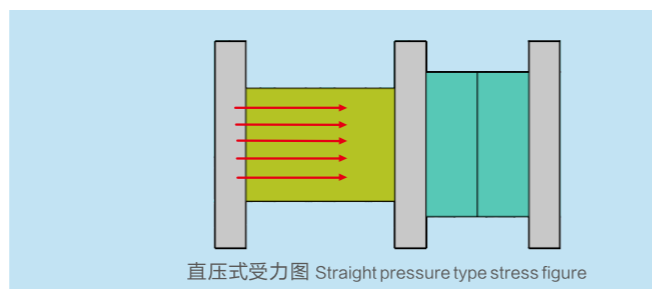
油封  
Oil seal

## STRAIGHT PRESSING TYPE AND TOGGLE TYPE

### 直压式与机铰式

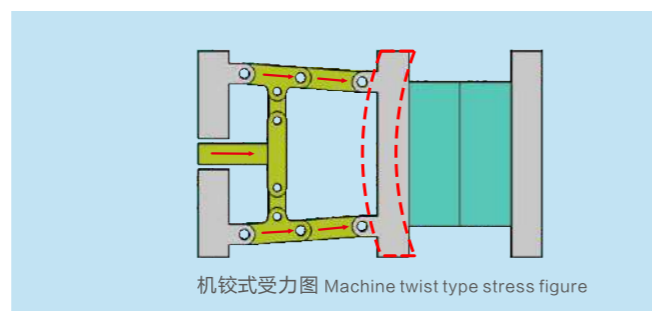
#### 直压式 Straight pressing type

- 直压式锁模模板受力均匀、平行度高、模板不变形；
- 锁模力恒定不变、有利于保护模具；
- 受力均匀，产品成型稳定，重复精度高。
- The straight pressing mould clamping platen is stressed evenly at high parallelism with no deformation;
- Constant mould clamping force is conducive to protecting the mould;
- Uniform stress, stable product formation and high repetition precision.



#### 机铰式 Machine twist type

- 锁模力不均匀，模板容易变形，损伤模具；
- 由于磨损，连接部分间隙增大；
- 降低精度、平行度；
- 产品易起毛边。
- Non-uniform mould clamping force will cause easy deformation of the platen and damage to the mould;
- Due to wear, the gap between connecting parts increases;
- Lower accuracy and parallelism;
- Products are prone to burr.



#### 锁模单元 Mould clamping unit

- 维护简易、使用寿命长、直压结构、精密干净；
- 独特的锁模结构，以其极佳的开合模定位精度和机器稳定性充分满足现今注塑行业发展新趋势；
- 开合模位置精准，定位精度  $\pm 0.05\text{mm}$ ；
- 两板直压式锁模，占用最少空间，提供最大开模行程和容模量。
- Easy maintenance, long service life, straight pressing structure, precision and cleanliness;
- Unique mould clamping structure, fully meets the new development trend of the injection moulding industry today with its excellent mould opening and closing positioning accuracy and machine stability.
- Accurate mould opening and closing position, with a positioning accuracy of  $\pm 0.05\text{mm}$ ;
- Two-plate straight pressing mould clamping takes up the least space while providing the maximum mould opening stroke and min-max mould thickness.

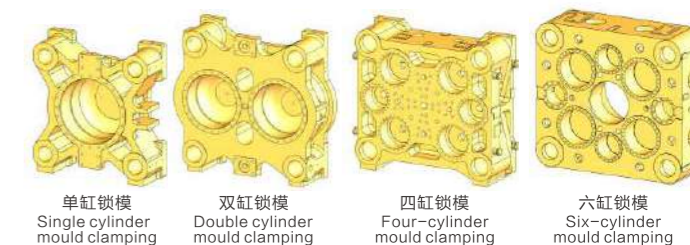
#### 注射单元 Injection unit

- 双缸或四缸射胶，结构紧凑耐用，注射稳定可靠；
- 采用线性导轨导向，注射响应快，熔胶背压低；(注：EVH1000及以上的标准机)
- 4-11段温度PID控制，实时精准控制温度；
- 采用高精度电子尺，进口泵及控制系统，射胶、保压压力、流量、位置精准可控；
- 特色螺杆结构，效率高，混色效果好，产品成色好。
- Double-cylinder or four-cylinder injection with compact and durable structure and stable and reliable injection performance;
- Adopting linear guide rail to guide, with fast injection response and low melt adhesive back pressing; (Notes: EVH1000 and above standard machines)
- 4-11 section temperature PID control, real-time and accurate temperature control;
- Adopting high-precision electronic ruler, imported pump and control system, accurate and controllable pressing, flow rate and position of glue injection and holding pressing;
- Special screw structure, high efficiency, excellent color mixing effect and product fitness.



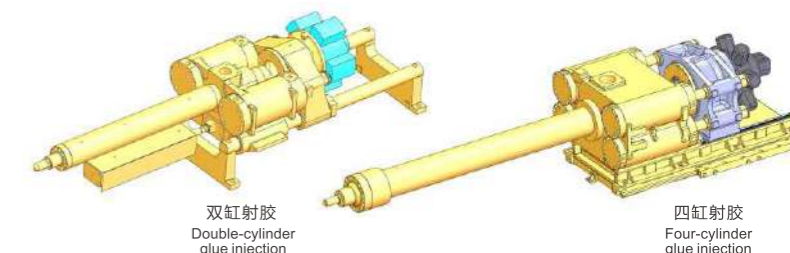
#### 锁模缸数 Number of mould clamping cylinders

- 单缸锁模 Single-cylinder mould clamping: EVH60-EVH410;
- 双缸锁模 Double-cylinder mould clamping: EVH550、EVH650、EVH800;
- 四缸锁模 Four-cylinder mould clamping: EVH1200;
- 六缸锁模 Six-cylinder mould clamping: EVH1000、EVH1400、EVH1800、EVH2200、EVH2800、EVH3300、EVH4000、EVH5500;



#### 射胶油缸数 Number of injection cylinders

- 双缸射胶: Double-cylinder injection: EVH60-EVH1200;
- 四缸射胶: Four-cylinder injection: EVH1400-EVH5500;



#### 直压式与机铰式的对比 Comparison of straight pressing type and toggle type

	直压式 Straight pressing Type	机铰式 Toggle Type
模板平行度 Platen parallelism	锁模精度高达 $\pm 0.05\text{mm}$ The mould clamping accuracy is as high as 0.05 mm.	锁模精度较差，精度在0.2mm内 The precision of mould clamping is relative poor, which is within 0.2 mm
操作便利性 Convenient operation	不需要调模厚 No need to adjust the mould thickness.	需要花时间调模厚 Need to adjust the mould thickness
模具受力 Mould stress	中心锁模，确保模具受力均匀 The central mould clamping ensures that the mould is stressed evenly	在模板的四个角，受力不均，产品易生毛边 The four corners of the platen are stressed unevenly, the product is prone to burrs
锁模力调整 Mould clamping force adjustment	直接在屏幕上设定 Set directly on the screen	需要前后的调整模厚 Need to adjust the mould thickness before and after
模具寿命 Mould service life	比较长 Relatively long	比较短 Relatively short
机械结构磨损 Mechanical structure wear	直压式锁模机械磨损小 Straight pressing mould clamping has little mechanical wear	故障高，使用两年机台问题较多，影响正常生产 High failure rate, more problems when using in two years, affecting normal production
稳定性 Stability	产量稳定，满足客户生产需要 Stable output that meet the production needs of customers	因机台原因导致产量不稳定，影响交期 The output is unstable due to machine reasons, which affects the delivery date
保养 Maintenance	机器维护成本低，使用寿命长 The machine has low maintenance cost and long service life	机器两年左右需大修，维护成本高，并且机台使用寿命短 The machine needs to be overhauled after two years working, which requires high cost and the machine service life is short
大模具支撑性 Large mould support	大油缸有平衡模具的功能，模具下垂小 The large oil cylinder has the function of balancing the mould, and the mould droops little	模具下垂量大导销常会碰撞到 Guide pins with large mould sag often collide with each other
机台价格 Machine price	价格稍高，但投资效益大 The price is slightly higher, but the investment benefit is great	价格便宜 Cheap price

#### 应用行业 Applied industries

EVH系列伺服节能注塑机；主要用于3C、医疗包装、汽车配件、家电、日用品、玩具等行业。  
EVH series servo energy-saving injection moulding machines: Mainly applied in 3C, medical packaging, auto parts, home appliances, Daily necessities, toys and other industries.



# EVH PARAMETER LIST

## EVH 参数表



机型 / Model	单位UNIT	EVH60			EVH90			EVH130			EVH180			EVH220			EVH280			EVH320			EVH410			EVH550			EVH650		
国际规格 International specifications		107/60			233/90			461/130			613/180			1001/220			1174/280			1741/320			2045/410			3100/550			3649/650		
<b>注射装置 / Injection Unit</b>																															
螺杆编号 Screw code	-	A	B	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
螺杆直径 Screw diameter	mm	22	25	31	35	40	35	40	45	40	45	50	50	55	60	55	60	67	60	65	70	67	75	83	75	80	85	80	85	95	
理论注射压力 Theoretical injection pressure	kg/cm <sup>2</sup>	2570	1990	2200	1800	1370	2660	2040	1610	2417	1909	1547	2126	1757	1476	2028	1704	1367	2124	1810	1560	1969	1572	1283	1847	1624	1438	1862	1650	1320	
每次注射量(PS) Shot weight (PS)	g	35	48	86	116	144	156	204	258	228	290	358	419	507	603	530	631	786	754	885	1027	878	1100	1348	1514	1723	1945	1904	2150	2685	
	oz	1.2	1.7	3	4.5	5	5.5	7.2	9.1	8	10.2	12.6	14.8	17.9	21.3	19	23	28	26.7	31.3	36.3	31	38.8	47.5	53.5	60.9	68.7	67.3	75.9	94.8	
螺杆长径比 L : D Screw L: D	-	21	21	20	20	17.8	20	20	17.7	20	20	18	20	20	18.3	20	20	18	20.5	20.5	19	20	20	19	20	20	18.8	21	21	18.7	
螺杆行程 Screw stroke:	mm	110			135			180			202			240			250			290			280			380			420		
理论射胶速度 Theoretical injection speed	mm/s	195			117.6			99.5			84.9			90			75.8			84.9			83.5			94.3			95.8		
螺杆转速 Screw speed	r.p.m	318			188			235			201			165.8			131.7			143			135			126			139		
射台推力 Nozzle contact force	ton	2.1			3			3.8			6.4			6.4			7.1			8.1			9.0			9.1			9.8		
理论注射率 Theoretical injection rate	cc/sec	70	90	88	113	147	95.7	125	158	107	135	167	176	213	254	180	214	267	240	281	326	294	368	422	415	474	534	481	543	678	
塑化能力 Plasticizing capacity	g/sec	5	6.8	8.1	10.5	13.5	13.5	17	24	12.1	16.5	21	19.8	26	31.5	21	28	34.5	34.7	45.2	57.3	44	63.4	86.2	62	74	84.8	77.6	92	116	
<b>锁模装置 / Mould clamping Unit</b>																															
锁模形式 Type of clamping unit		液压锁模 Hydraulic mould clamping														液压锁模 Hydraulic mould clamping															
锁模力 clamping force	ton	60			90			130			180			220			280			320			410			550			650		
锁模行程 Clamping stroke	mm	550-模厚Mould thickness			650-模厚Mould thickness			700-模厚Mould thickness			875-模厚Mould thickness			980-模厚Mould thickness			1040-模厚Mould thickness			1320-模厚Mould thickness			1400-模厚Mould thickness			1700-模厚Mould thickness			1850-模厚Mould thickness		
模板最大开距 Max. daylight opening	mm	550			650			700			875			980			1040			1320			1400			1700			1850		
最小模厚-最大模厚 Mould thickness	mm	150			180			200			225			260			280			300-700			340-740			400-900			450-1000		
拉杆内距 (W×H) Space between tie bar	mm	310×310			360×360			410×410			460×460			520×520			580×580			660×660			720×720			860×860			920×920		
模板尺寸 Platen dimension	mm	450×450			535×535			600×600			700×700			770×770			850×850			960×960			1060×1060			1220×1220			1310×1310		
液压顶出力 Hydraulic ejection force	ton	2.1			2.7			4			5.6			6.5			8.5			9.6			9.6			13			16		
顶出行程 Ejection stroke	mm	80			80			130			180			190			200			200			200			250			280		
顶出点 No. of ejection pins	unit	1			5			5			5			9			9			13			13			13			21		
<b>其它 / Others</b>																															
油压系统压力 Hydraulic system pressure	kg/cm <sup>2</sup>	170			170			170			170			170			170			170			175			175			175		
油泵马达功率 Pump driving motor power	kw	10			11.6			16			16			29			29			31			39.4			55			58		
电热功率 Heater power	kw	5.5			8			10.8			14.8			18			19.6			23.95			34			38.3			47.3		
电源需求 Power Requirement	A	30			38			51			59			72			85			110			131			178			205		
温度控制区 Temperature control zones	-	4			5			5			5			5			5			6			6			6			6		
油箱容积 Oil tank volume	L	210			330			460			590			780			890			515			515			740			830		
机器重量 Machine weight	ton	2.3			3.4			4.4			6.1			7.3			8.6			11.8			13			18.5			23		
外形尺寸 (L×W×H) Machine dimension (L×W×H):	m×m×m	3.17×0.89×1.8			3.7×1.25×1.9			4.1×1.33×1.95			5.08×1.37×1.95			5.72×1.52×2.05			5.95×1.6×2.18			6.77×1.8×2.2			6.7×1.97×2.27			7.2×2.2×2.34			7.8×2.3×2.44		

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# EVH PARAMETER LIST

## EVH 参数表

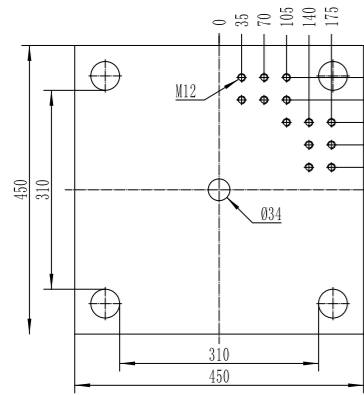


机型 / Model	单位UNIT	EVH800			EVH1000			EVH1200			EVH1400			EVH1800			EVH2200			EVH2800			EVH3300			EVH4000		EVH5500		
国际规格 International specifications		5588/800			7058/1000			8958/1200			11330/1400			15993/1800			15993/2200			21588/2800			35341/3300			64260/4000		171748/5500		
<b>注射装置 / Injection Unit</b>																														
螺杆编号 Screw code	-	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C		
螺杆直径 Screw diameter	mm	85	95	110	95	110	120	105	115	125	115	125	135	130	140	150	130	140	150	145	155	165	170	180	190		210		250	
理论注射压力 Theoretical injection pressure	kg/cm <sup>2</sup>	2141	1714	1278	1954	1457	1225	1934	1613	1365	1940	1650	1410	1913	1650	1437	1913	1650	1437	1810	1584	1398	1770	1579	1417		1440		1468	
每次注射量(PS) Shot weight (PS)	g	2330	2910	3901	3260	4372	5203	4178	5012	5922	5246	6130	7230	7543	8740	10042	7543	8740	10042	10397	11880	13463	18017	20199	22506		40303		61990	
	oz	82.2	102.6	137.6	115	154	184	164	175	207	185	216	255	266	308	354	266	308	354	367.3	419.7	475.7	636.6	713.7	795.3		1424		2190	
螺杆长径比 L : D Screw L: D	-	21	21	18	21	21	19.2	21	21	19.3	21	21	19.4	21.5	21.5	18.7	21.5	21.5	20	21.5	21.5	19.7	22	22	20.8		22		22	
螺杆行程 Screw stroke:	mm	460			510			535			560			630			630			698			880			1290		1400		
理论射胶速度 Theoretical injection speed	mm/s	84			91			86			79			82			82			84			78.4			66		65		
螺杆转速 Screw speed	r.p.m	117			93			100			96			94			94			68			65			60		50		
射台推力 Nozzle contact force	ton	12.8			12.8			16			21			26			26			31.4			31.4			31.4		31.4		
理论注射率 Theoretical injection rate	cc/sec	476	595	797	644	864	1028	743	892	1054	818	967	1127	1079	1252	1446	1079	1252	1437	1386	1584	1795	1778	1994	2221		2284		3190	
塑化能力 Plasticizing capacity	g/sec	71.3	91.8	130.3	68	94	113	85	119	141	110	135	160	160	193	224	160	193	224	157	179	202	206	231	257		313		292	
<b>锁模装置 / Mould clamping Unit</b>																														
锁模形式 Type of clamping unit		液压锁模 Hydraulic mould clamping														液压锁模 Hydraulic mould clamping														
锁模力 clamping force	ton	800			1000			1200			1400			1800			2200			2800			3300			4000		5500		
锁模行程 Clamping stroke	mm	2130-模厚Mould thickness			2390-模厚Mould thickness			2500-模厚Mould thickness			2600-模厚Mould thickness			3200-模厚Mould thickness			3450-模厚Mould thickness			3700-模厚Mould thickness			4000-模厚Mould thickness			4500-模厚Mould thickness		5500-模厚Mould thickness		
模板最大开距 Max. daylight opening	mm	2130			2390			2500			2600			3200			3450			3700			4000			4500		5500		
最小模厚-最大模厚 Mould thickness	mm	450~1180			500~1290			590~1400			590~1490			700~1700			800~1800			900~1900			1000~2000			1000~2200		1250~2500		
拉杆内距 (W×H) Space between tie bar	mm	980×980			1120×1020			1300×1200			1400×1120			1650×1400			1830×1600			2030×1700			2200×1900			2400×2200		2620×2260		
模板尺寸 Platen dimension	mm	1350×1350			1670×1570			1920×1600			2060×1780			2390×2140			2620×2390			2870×2485			3120×2730			3270×3070		3640×3280		
液压顶出力 Hydraulic ejection force	ton	17			26			32			32			42			46			52			55			55		66		
顶出行程 Ejection stroke	mm	300			320			350			350			380			450			500			600			600		600		
顶出点 No. of ejection pins	unit	21			21			29			25			25			33			33			33			33		33		
<b>其它 / Others</b>																														
油压系统压力 Hydraulic system pressure	kg/cm <sup>2</sup>	175			175			175			175			175			175			175			175			175		175		
油泵马达功率 Pump driving motor power	kw	64			78.8			110.8			130			166.2			175.8			195			250.4			350		476		
电热功率 Heater power	kw	51			67.8			72			80			103			103			114			164			199		345.5		
电源需求 Power Requirement	A	225			302			330			382			488			508			563			749			1001		1475		
温度控制区 Temperature control zones	-	8			9			9			9			10			10			10			11			11		11		
油箱容积 Oil tank volume	L	1120			1210			1210			1690			1850			1850			2500			3000			3900		5000		
机器重量 Machine weight	ton	27			38(8.7+29.3)			48(9.5+38.5)			58(14+44)			76(16+60)			107(17+90)			125(25+100)			180(30+150)			260(40+220)		335(55+280)		
外形尺寸 (L×W×H) Machine dimension (L×W×H):	m×m×m	8.42×2.4×2.54			10.5×2.5×2.9			11×3×3			11.5×3.2×3.1			13×3.5×3.4			14×3.8×3.7			15×4.1×3.8			18×4.8×4.3			20.3×5×4.5		24×5.2×5		

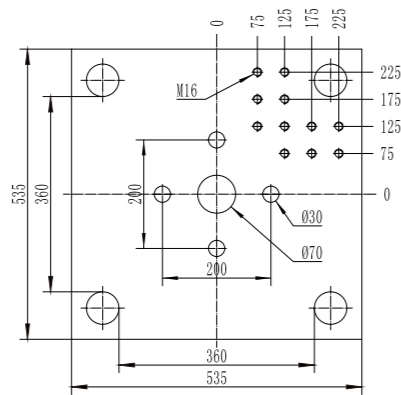
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# EVH PLATEN SPECIFICATION SHEET

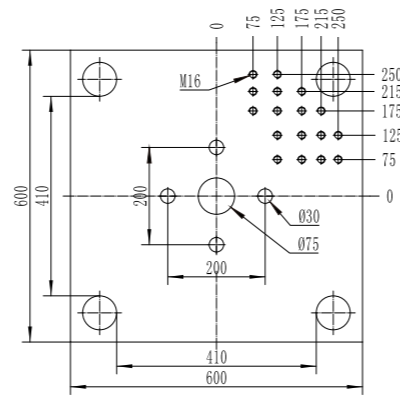
## EVH 模板规格表



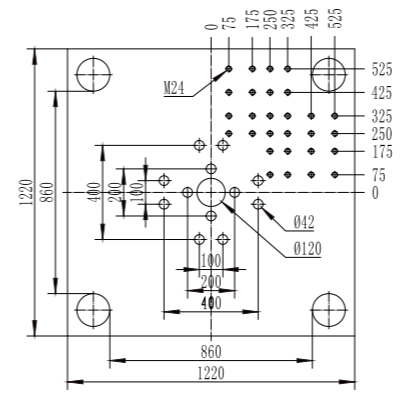
EVH60



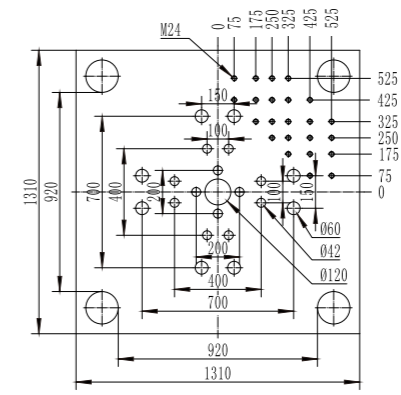
EVH90



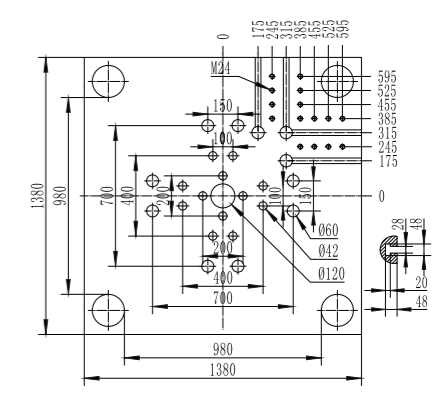
EVH130



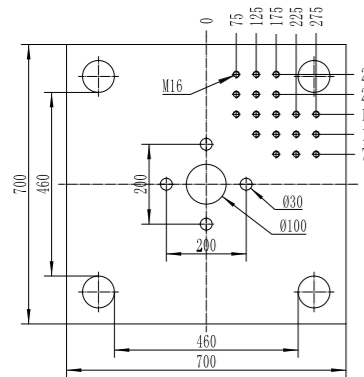
EVH550



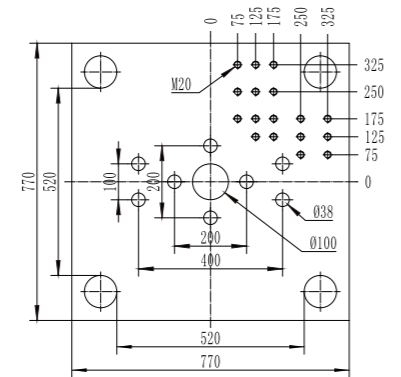
EVH650



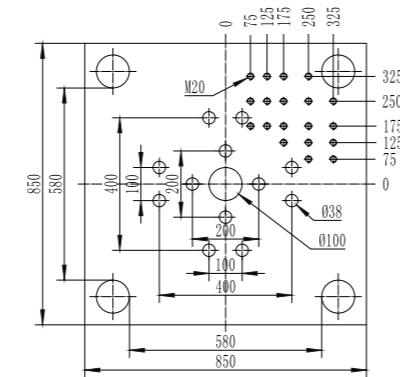
EVH800



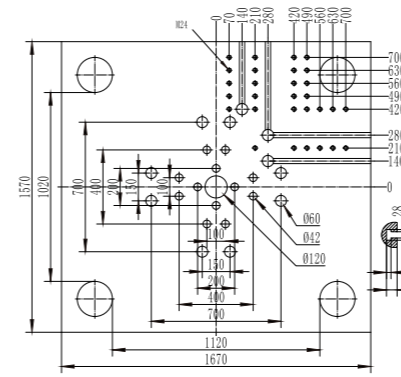
EVH180



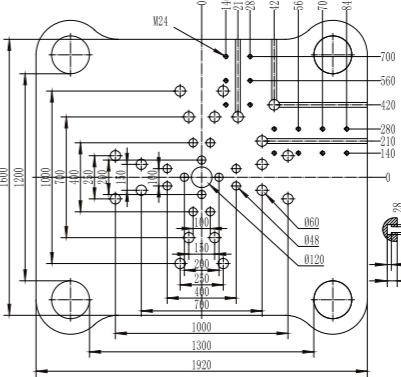
EVH220



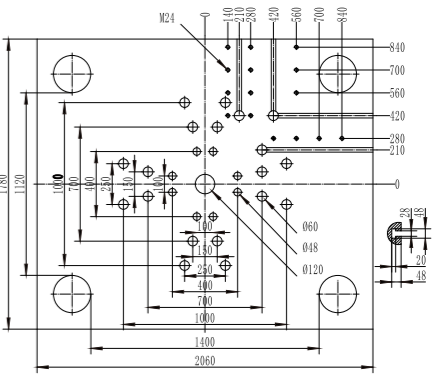
EVH280



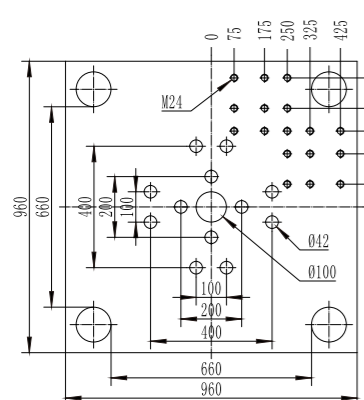
EVH1000



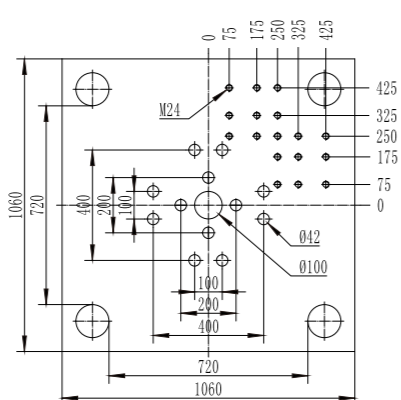
EVH1200



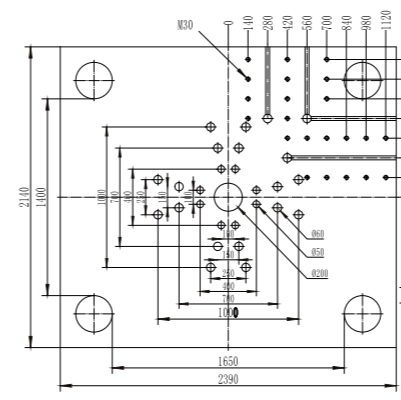
EVH1400



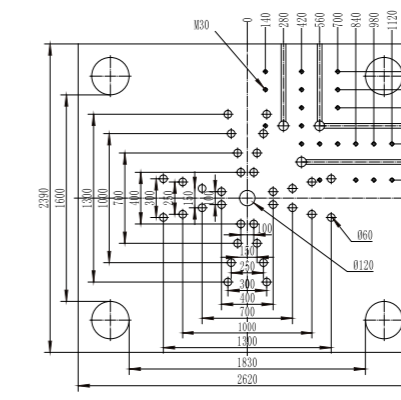
EVH320



EVH410



EVH1800

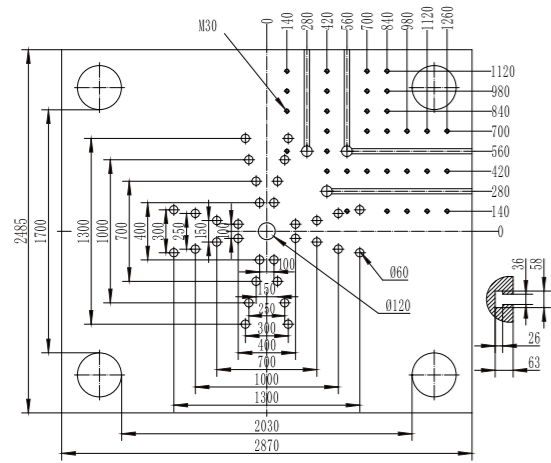


EVH2200

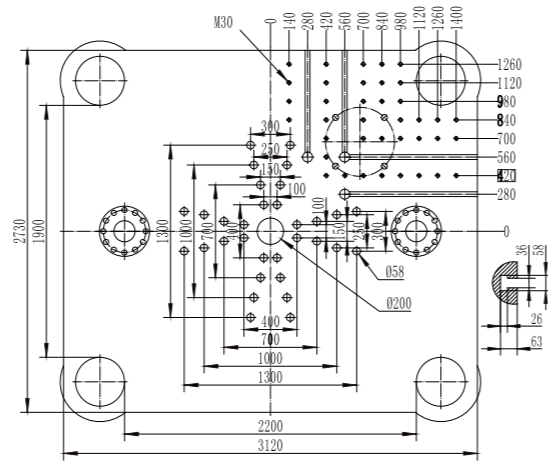
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# EVH PLATEN SPECIFICATION SHEET

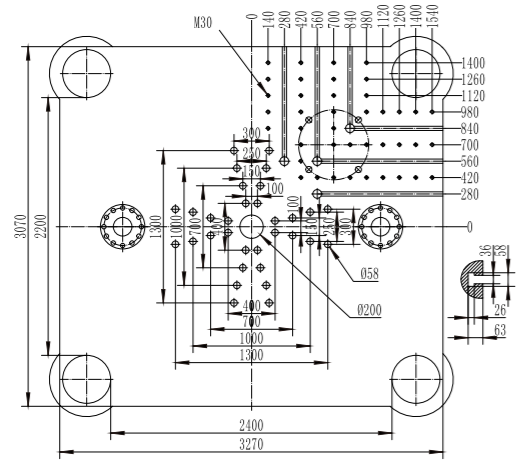
## EVH 模板规格表



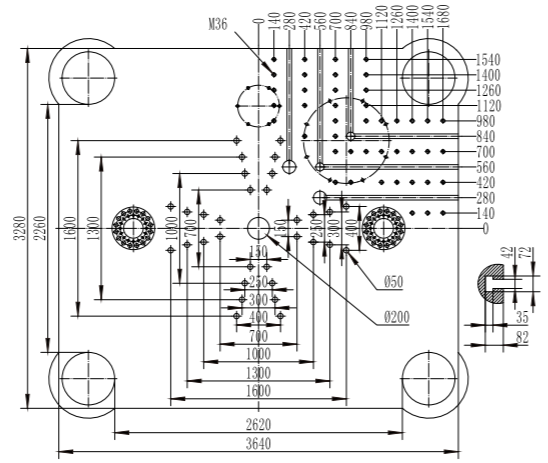
EVH2800



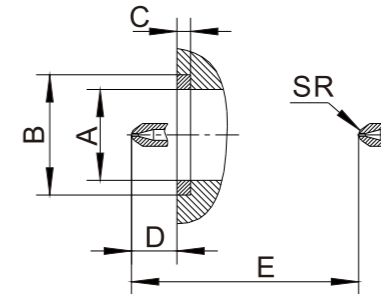
EVH3300



EVH4000

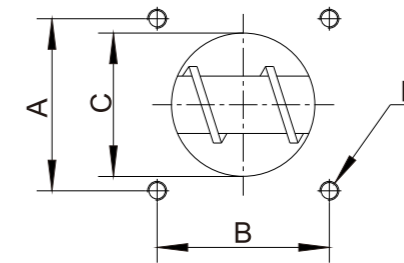


EVH5500



定位圈及射咀位置尺寸 Positioning ring and nozzle size

机型 Model	EVH 60	EVH 90	EVH 130	EVH 180	EVH 220	EVH 280	EVH 320	EVH 410	EVH 550	EVH 650	EVH 800	EVH 1000	EVH 1200	EVH 1400	EVH 1800	EVH 2200	EVH 2800	EVH 3300	EVH 4000	EVH 5500
A	Φ100	Φ100	Φ100	Φ120	Φ120	Φ150	Φ150	Φ150	Φ150	Φ150	Φ150	Φ150	Φ200	Φ200	Φ250	Φ250	Φ250	Φ250	Φ250	Φ315
B	-	-	-	-	-	-	-	-	-	-	-	Φ315	Φ315	Φ315	Φ315	Φ315	Φ315	Φ380	Φ400	Φ400
C	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30	30
D	40	65	65	65	65	65	65	65	65	140	140	140	165	165	165	165	165	165	165	165
E	180	200	250	295	360	360	460	430	520	560	590	950	1200	1200	1550	1650	1700	1350	1600	1850
SR	10	10	10	10	15	15	15	15	20	20	20	20	20	20	20	20	20	20	20	20



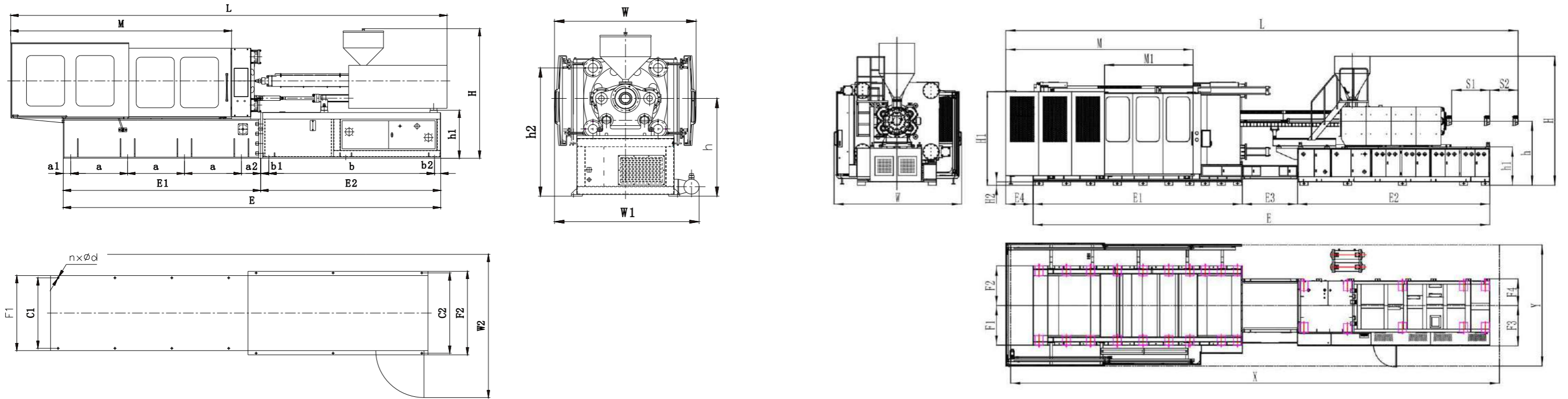
干燥机安装尺寸 Dryer installation size

机型 Model	EVH 60	EVH 90	EVH 130	EVH 180	EVH 220	EVH 280	EVH 320	EVH 410	EVH 550	EVH 650	EVH 800	EVH 1000	EVH 1200	EVH 1400	EVH 1800	EVH 2200	EVH 2800	EVH 3300	EVH 4000	EVH 5500
A	40	40	100	100	100	110	110	110	110	140	160	160	170	200	230	230	230	230	300	250
B	70	70	100	100	100	110	110	110	110	140	160	160	170	200	230	230	230	250	300	300
C	Φ45	Φ50	Φ65	Φ66	Φ72	Φ80	Φ84	Φ100	Φ100	Φ114	Φ132	Φ144	Φ125	Φ162	Φ185	Φ185	Φ185	Φ180	Φ250	Φ250
D	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12	M12	M12	M12	M20	M20	M20	M20	M20	M20

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# EVH OUTLINE AND INSTALLATION DIMENSIONS

## EVH外型及安装基础尺寸



### 机型尺寸 Model size

机型 Model	机器形式 Configuration of Machine	最大外形尺寸 Max.outline dimensions			主要轮廓 Main dimensions			机器外形尺寸 Machine frame dimensions			避震脚及地脚螺丝安装尺寸 Installation dimensions of shock-absorber and anchor screws						
		L	H	W	h	h1	h2	M	E	F1	n	φd	a	a1	b	b1	c1
EVH60	整体 Whole unit	3169	1891	890	1235	955	1435	1770	3144	730	6	φ20	1694	1250	1250	100	650
EVH90	整体 Whole unit	3900	1950	1250	1120	810	1330	2205	3754	850	8	φ20	1280	1280	1280	100	781
EVH130	整体 Whole unit	4050	1950	1330	1167	827	1407	2490	4000	930	8	φ22	1360	1350	1430	147	836
EVH180	整体 Whole unit	4900	1950	1370	1262	867	1577	2461	4948	990	8	φ22	1505	1493	1430	150	895
EVH220	整体 Whole unit	5600	2050	1520	1320	867	1650	2740	4350	1190	10	φ22	1606	1140	1350	100	1115
EVH280	整体 Whole unit	5754	2160	1460	1390	915	1780	2680	5514	1120	10	φ22	1331	1331	1150	1331	1145

机型 Model	机器形式 Configuration of Machine	最大外形尺寸 Max.outline dimensions			主要轮廓 Main dimensions				机器外形尺寸 Machine frame dimensions					避震脚及地脚螺丝安装尺寸 Installation dimensions of shock-absorber and anchor screws									
		L	H	W	h	h1	h2	W2	M	E	F1	F2	W1	n	φd	a	a1	a2	b	b1	b2	c1	c2
EVH320	整体 Whole unit	6770	2200	1800	1360	910	1748	2285	3276	6110	960	1210	1772	14	φ22	1255	285	391	2795	66	64	910	1160
EVH410	整体 Whole unit	6700	2270	1955	1273	863	1693	1600	3390	5855	1270	1335	1485	14	φ24	830	155	180	2830	120	80	1080	1285
EVH550	整体 Whole unit	7200	2340	2200	1320	938	1903	2675	3812	6885	1400	1465	1465	16	φ24	750	112	563	3010	120	80	1205	1415
EVH650	整体 Whole unit	8341	2366	2128	1350	885	1885	2631	3777	6712	1360	1330	2000	18	φ27	710	110	621	2803	258	80	1272	1270
EVH800	分体 Split unit	8552	2530	2382	1425	875	1995	2765	3698	7576	1450	1565	2298	20	φ27	606	334	612	3420	100	80	1362	1505

注：按照“EUROMAP”国际规格 Note: According to "EUROMAP" international specifications

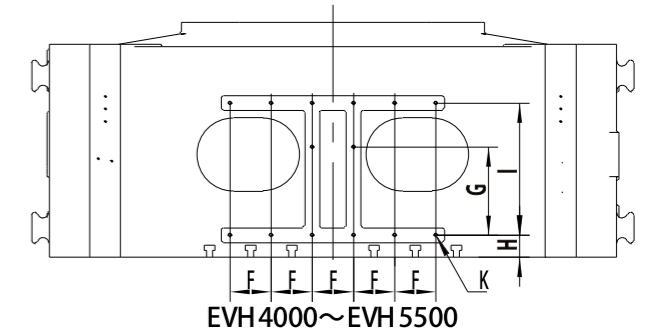
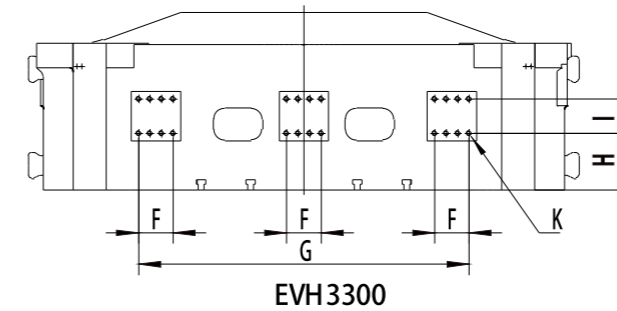
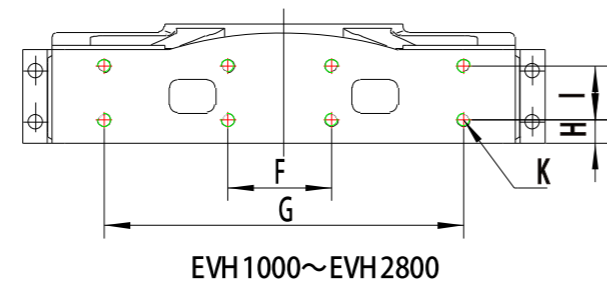
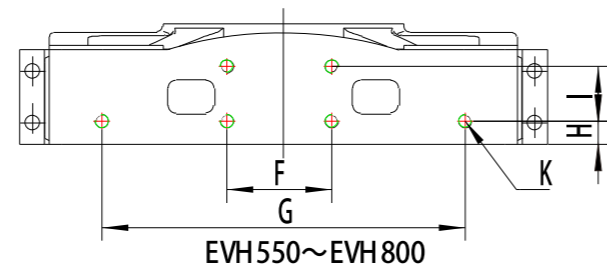
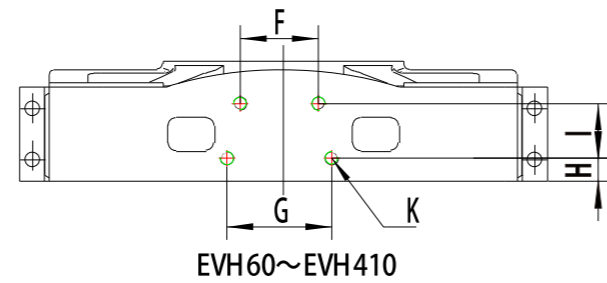
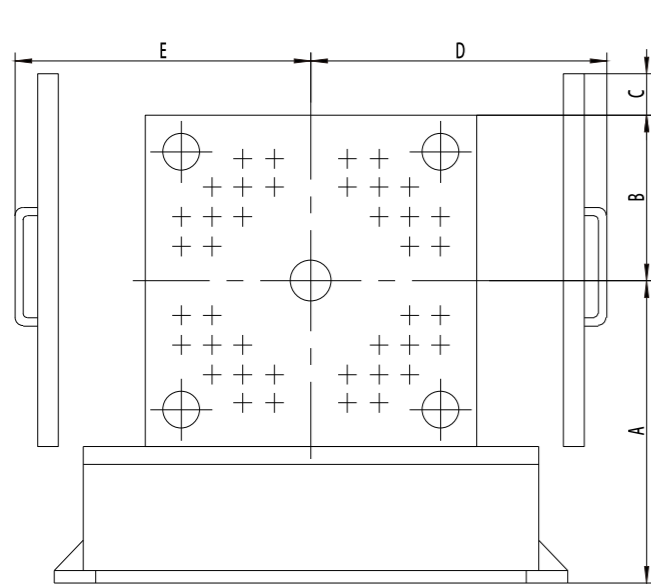
机型 Model	最大外形尺寸 Max.outline dimensions								主要轮廓 Main dimensions				机器外形尺寸 Machine frame dimensions									
	L	H	W	E	E1	E2	E3	E4	H1	H2	h	h1	M	M1	S1	S2	F1	F2	F3	F4	X	Y
EVH1000	10148	3107	2835	8493	4118	3863	1120	512	2311	100	1585	975	4335	2100	950	510	805	805	1155	850	9950	2600
EVH1200	11036	2986	3065	8610	4225	4385	1137	0	2308	100	1573	935	4402	1912	1200	535	890	890	1040	1140	9670	2800
EVH1400	11590	3198	3200	9777	4581	4620	979	576	2514	100	1716	1065	4480	2200	1200	560	920	920	1385	965	10500	2800
EVH1800	13548	3828	3850	11396	5586	5240	1323	570	2710	100	1900	1160	5420	2720	1550	630	1045	1045	1178	828	12200	2900
EVH2200	14033	3584	3956	11937	6033	5374	1297	530	2832	100	1922	1184	5805	2745	1650	630	1225	1225	1248	828	13000	3500
EVH2800	15200	3630	4252	12700	6383	5282	1685	1035	2970	100	2000	1258	6453	2793	1700	698	1335	1335	1225	850	13700	3600
EVH3300	15769	4105	5003	13825	7330	6495	1074	0	2970	100	2465	1725	7425	2770	1350	880	1470	1470	1240	2305	14800	3950
EVH4000	18554	4275	5258	16725	8250	7815	1189	660	2970	100	2635	1845	8230	3100	1600	1290	1590	1590	1240	2305	17700	4280
EVH5500	26000	6170	5927	24067	10190	8545	1406	5332	3079	100	2945	1893	10131	4305	1850	1400	1825	1825	2223	1558	25000	4650

由于技术不断发展、设计的改进及更新，以上规格如有更改，恕不另行通知。  
Due to the continuous development of technology, improvement and update of design, the above specifications are subject to change without prior notice.

# EVH ROBOT MOUNTING DIMENSIONS

## EVH机械手安装接口尺寸

机型 Model	EVH60	EVH90	EVH130	EVH180	EVH220	EVH280	EVH320	EVH410	EVH550	EVH650	EVH800	EVH1000	EVH1200	EVH1400	EVH1800	EVH2200	EVH2800	EVH3300	EVH4000	EVH5500
A	1085	1135	1140	1250	1260	1290	1360	1305	1315	1350	1425	1495	1473	1615	1800	1825	1857	2465	2790	2945
B	223	265	300	350	385	425	487	525	630	670	725	765	810	875	1045	1185	1257	1375	1535	1750
C	137	150	150	82	95	135	123	115	140	-109	95	40	-112	-25	-85	-275	-287	-886	-1410	-1670
D	518	568	602	630	703	690	775	912	1005	1060	1145	1435	1585	1550	1598	1949	2072	2300	2526	2714
E	520	660	745	765	729	705	945	1065	1127	1205	1235	1400	1480	1650	1978	2111	2180	2750	3026	3214
F	260	400	110	190	190	190	775	460	180	180	180	190	220	250	390	390	390	210	280	280
G	260	400	190	190	190	190	775	460	540	540	540	470	560	650	900	900	900	2010	500	600
H	17.5	20	20	25	20	20	90	30	35	35	55	30	27.5	32	75	75	75	345	150	150
I	75	105	130	130	130	130	120	210	230	230	270	80	80	140	130	130	130	210	800	900
K	4-M16	4-M16	4-M16	4-M16	4-M16	4-M16	4-M20	4-M16	6-M20	6-M20	6-M20	8-M24	8-M24	8-M24	8-M30	8-M30	8-M30	24-M36	14-M30	14-M30

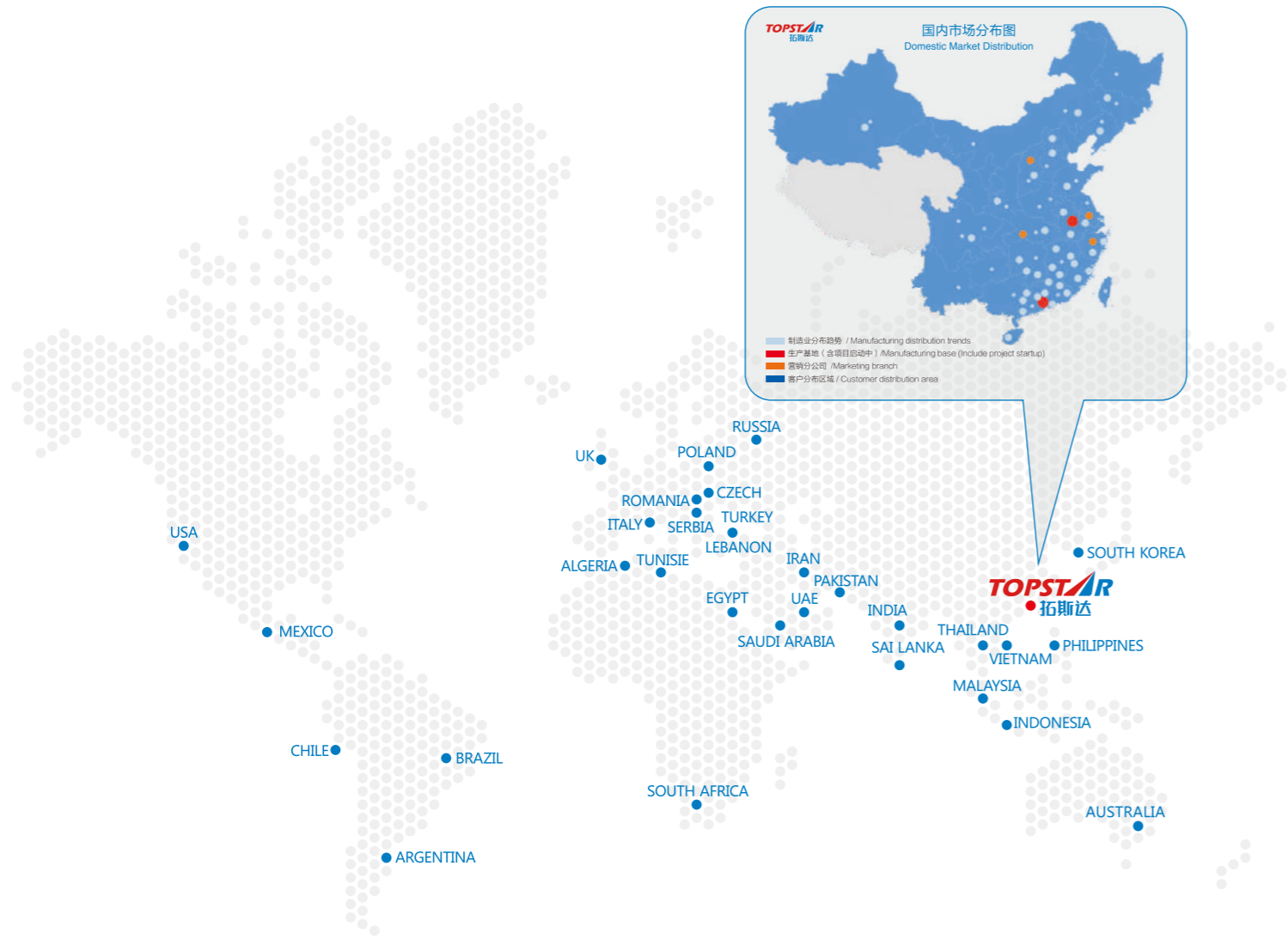


### 保修期明细 Warranty period details

注塑机整机及主要零部件保用期明细 Terms and conditions of warranty for injection moulding machine and main parts						
零部件名称 Name of Major parts	整机 Whole unit	哥林柱、三大板 Tie bar, three platens	电机 Motor	电脑 PLC controller	液压件 Hydraulic parts	电器件 Electric parts
保用期 Warranty period	在正常使用条件下免费维修、保养一年 Providing one-year warranty of free repair and maintenance under proper operation only	2.5年 two and half years			1年 one year	
备注：在保用期内，若因客户使用不当导致机件损坏，更换零件及维修费用需由客户承担。 Remarks: For parts damaged during the warranty period due to improper use by the customer, the costs for replacement of parts and maintenance shall be borne by customer.					另注：氮化炮筒螺杆不在保修范围内。 Notes: Nitrided screws are not covered by the warranty.	

由于技术不断发展、设计的改进及更新，以上规格如有更改，恕不另行通知。  
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