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劉永齡

TOPSTAR
拓斯達

让工业制造更美好
Making Industrial Manufacturing Better

廣東拓斯達科技股份有限公司

Guangdong Topstar Technology Co., Ltd

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Changshu Topstar Intelligent Equipment Co., Ltd.

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扫一扫, 了解更多资讯

億利達精密機器廠有限公司

Elite Precision Machinery Company Limited

香港九龍觀塘海濱道135號宏基資本大廈26樓

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Kwun Tong Waterfront Road 26 floor

東莞億東機器有限公司

Elite Machinery (Dong guan) Company Limited

東莞市大嶺山鎮梅林管理區億利達工業城

Elite Industrial Area, Meilin Village, Daling Mount Town,
Dongguan City, P.R.C.

常熟常億精密機器有限公司

Changshu Elite Precision Machinery Limited

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Southeast Economic Development Zone, Changshu,
Jiangsu Province, P.R.C.

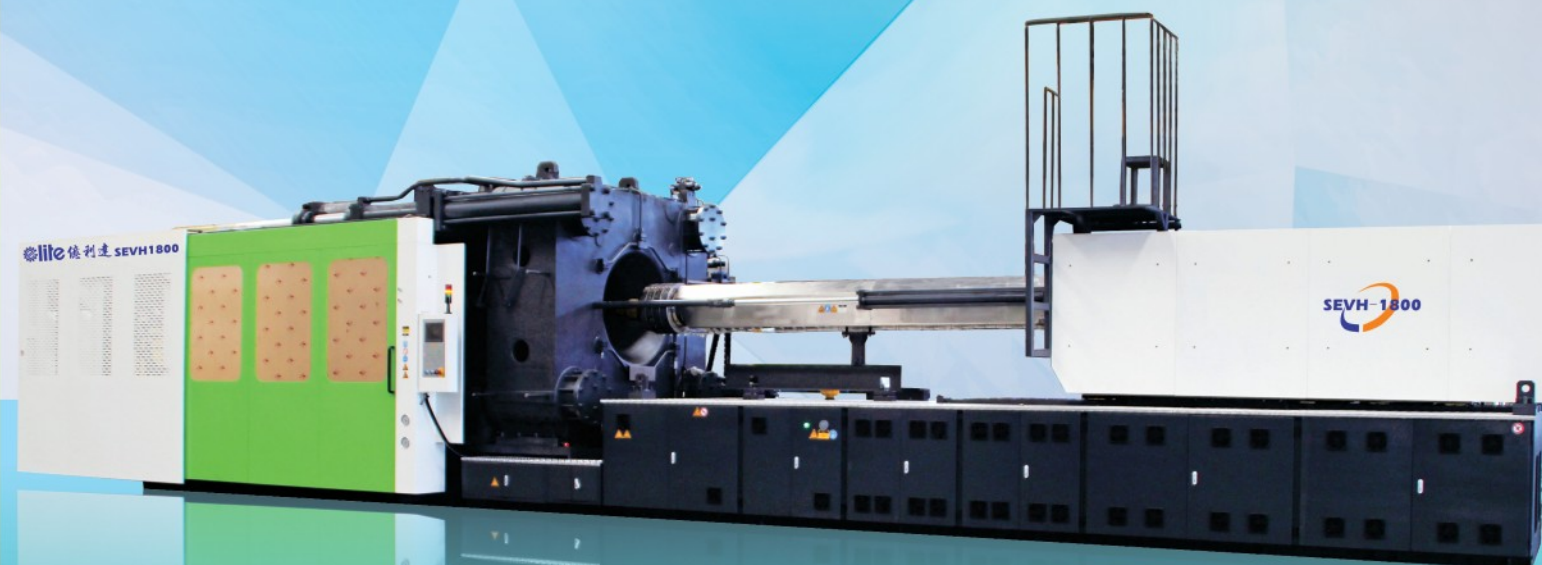
2020年第一版印刷

TOPSTAR
拓斯達

让工业制造更美好
Making Industrial Manufacturing Better

SEVH系列民品容器专用机

SEVH Series Injection Molding Machine for Civilian Containers



股票代码: 300607

广东拓斯达科技股份有限公司

广东拓斯达科技股份有限公司（简称：拓斯达，股票代码：300607）是一家登陆创业板的广东省机器人骨干企业，专注于以工业机器人为代表的智能装备的研发、制造、销售，致力于成为系统集成 + 本体制造 + 软件开发 + 工业互联网 + 智能整厂五位一体的智能制造综合服务平台。

拓斯达坚持“让工业制造更美好”的品牌主张，核心产品包括以工业机器人为代表的智能装备，以控制系统及MES为代表的工业物联网软件，为客户提供基于工业机器人的智能生产环境整体解决方案，打造健康的智能制造生态圈。

拓斯达在全国已有30多个办事处，6000多家已服务客户，包括比亚迪、长城汽车、伯恩光学、立讯精密等知名企业。

拓斯达长期与清华大学、华中科技大学、华南理工大学等研究机构和知名高校开展产学研合作。截止2019年12月31日，公司已获得授权专利258项，其中发明专利14项，另有处于实审阶段的发明专利82项，各类软件著作权50项；2019年度公司累计新申请各类知识产权达300项；广东名牌产品2个，广东高新技术产品5项，多项产品通过欧洲CE认证。

拓斯达是高新技术企业、广东省级企业技术中心，中国机器人产业联盟理事单位、广东省工业互联网产业联盟—会员单位、粤港澳大湾区联合创新中心创新基地、广东省高成长性中小企业以及“守合同重信用”企业。连续多年获行业伙伴评为“ABB机器人价值提供商”、“ABB最具创新奖”以及高工金球奖十余项。2019年，荣获“年度技术创新奖”、东莞市“政府质量奖”、每日经济新闻“最具成长性高端制造产业上市公司”等荣誉。



■ 拓斯达东莞总部

Guangdong Topstar Technology Co., Ltd.

Guangdong Topstar Technology Co., Ltd. (Abbr. TOPSTAR, stock code: 300607) is one of the key robot enterprise listed on GEM in Guangdong province. Focusing on the R&D, manufacturing and sales of industrial robots, the company is dedicated to become a five-in-one Intelligent Manufacturing Integrated Service Platform, which consists of system integration, hardware manufacturing, software development, industrial internet and intelligent plant.

TOPSTAR adheres to the brand idea of "make industrial manufacturing better". The company's core products include intelligent equipment represented by industrial robots, and industrial IoT software represented by control system and MES. TOPSTAR creates healthy and intelligent manufacturing ecosystem, offering customer the turnkey solutions of intelligent production system which based on industrial robots.

There are more than 30 sales and service branches across China. The customers we serving for are more than 6000, including BYD Auto, CHANGCHENG Auto, BIEL, LUXSHARE, etc.

TOPSTAR has a long term corporation with Tsinghua University, Huazhong University of Science and Technology, South China University Of Technology and other research institutions and well-known universities. In December 31st 2019, TOPSTAR has obtained 258 authorized patents, including 14 invention patents. The company also has 50 software copyrights. And there are 82 invention patents in substantive review stage. The Intellectual Property Rights TOPSTAR applied in 2019 reached 300 items. The company has 2 Guangdong brand-name products, 5 Guangdong high-tech products, most of the products have passed EU CE certification.

TOPSTAR is a high-tech enterprise, Guangdong provincial-level enterprise technology center, a member unit of the China Robot Industry Alliance, a member unit of the Guangdong Industrial Internet Alliance, a innovation base of Guangdong-Hong Kong-Macao Greater Bay Area Joint Innovation Center, and a high-growth SME in Guangdong Province as well as the "contracts observing and credit honoring" enterprises. TOPSTAR has been awarded "ABB Robot Value Provider", "ABB Most Innovative Award" and more than 10 Golden Globe Awards by industry partners for many years. In 2019, the company won honors such as "Annual Technology Innovation Award", the "Government Quality Award" of Dongguan City, and the "Most Growth Promising High-end Manufacturing Industry Listed Company" from Daily News.



■ 拓斯达江苏基地

永遠站在客戶的立場
來審度我們的產品 劉永齡

始于1984年
专注注塑行业

亿利达机械集团 Elite Machinery Holdings LTD.

亿利达机械集团由亿利达工业发展集团创始人刘永龄先生于上世纪80年代初创立，秉承“永远站在客户的立场来审度我们的产品”的经营理念，立足技术创新的产品发展思路，与欧日合作伙伴共同开发生产智能装备，用科学的生产管理要求打造一流的产品，稳步站在智能注塑机压铸机的一流制造商的领域，竭诚为客户服务。

Elite Machinery Holdings LTD. by Mr Liu Yongling, founder of the lee der industrial development group founded in the early 1980 s, adhering to the "always on the customer's position to examination of our products" business philosophy, based on the product development of technology innovation, and the partners to develop and produce intelligent equipment, with scientific production management requirements to build first-class products, stand steadily in the field of intelligent injection molding machine die casting machine of first-class manufacturers, wholeheartedly for customer service.

- 不参与价格竞争，只参与质量竞争，不断追求产品更新
Never participate in price competition, Only Participate in quality competition, Pursues the produce enhancement.
- 扩大市场占有率，成为欧美日产品的有力竞争对手
Expands the market share. To become the powerful competitor of Eurpean, American and Japanese injection molding machine manufacturers.



东莞亿东机器有限公司成立于2004年
Elite Machinery (Dong guan) Company Limited
was established in 2004.



常熟常亿精密机器有限公司成立于2008年
Changshu Elite Precision Machinery Limited
was established in 2008.



SEVH民品容器专用机参数表

Injection Molding Machine for Civilian Containers parameter table

机型 model		单位	SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEHV3300
注射装置	国际规格 International Designation	mm	5358/550	3469/650	5588/800	7058/1000	17443/1400	28848/1800	28848/2200	64263/2800	78777/3300
	螺杆直径 Screw diameter	mm	95	85	95	110	140	170	170	210	220
	理论注射压力 Theoretical injection pressure	kg/cm ²	1483	1650	1714	1457	1650	1445	1445	1439	1481
	理论注射量 (PS) Theoretical injection volume (PS)	g	3260	2150	2910	4372	8740	18017	18017	40303	48005
		OZ	115	75.9	102.8	154.5	308.8	636	636	1422	1696
	螺杆长径比 L : D Screw L : D	-	22	22	22	22	22	22	22	22	22
	螺杆行程 Screw stroke	mm	510	420	460	510	630	880	880	1290	1400
	理论射胶速度 Theoretical injection speed	mm/s	97	96	84	91	82	82	82	67.4	62.7
	螺杆转速 Screw speed	r.p.m	119	139	117	91	94	62	62	52.5	48.5
	射台推力 Shot thrust	ton	9.8	9.8	12.8	12.8	21	26	26	26	26
	理论注射率 Theoretical Injection rate	cc/sec	687	543	595	864	1285	1869	1869	2333	2835
	理论塑化能力 Theory plasticizing capacity	g/sec	93	92	91.8	94	180	195	195	240	289
锁模装置	锁模形式 Clamping form	-	液压	液压	液压	液压	液压	液压	液压	液压	液压
	锁模力 Clamping force	ton	550	650	800	1000	1425	1800	2200	2800	3300
	锁模行程 Clamping stroke	mm	1700-模厚	1850-模厚	2130-模厚	2750-模厚	2900-模厚	3700-模厚	3700-模厚	3700-模厚	4000-模厚
	最大开模间距 The maximum open-spacing	mm	1700	1850	2130	2750	2900	3700	3700	3700	4000
	容模量 (最小-最大) Yung modulus (min-max)	mm	400-900	450-1000	450-1180	500-1290	590-1490	700-1700	800-1800	900-1900	1000-2000
	拉杆内距 (W × H) Lever from inside (W × H)	mm × mm	860 × 860	920 × 920	980 × 980	1120 × 1020	1400 × 1120	1650 × 1400	1830 × 1600	2030 × 1700	2200 × 1900
	模板尺寸 Platen Dimensions	mm	1220 × 1220	1310 × 1310	1380 × 1380	1670 × 1570	2060 × 1780	2390 × 2140	2620 × 2390	2870 × 2485	3120 × 2730
	液压顶出力 Hydraulic ejector force	ton	13	17	17	26	32	42	46	52	55
	顶出行程 Ejection stroke	mm	250	300	300	320	350	380	450	500	550
	顶出点 Thimble Quantity	Point	13	21	21	21	25	25	33	33	33
其他	油压力系统压力 Oil pressure system pressure	kg/cm ²	175	175	175	175	175	175	175	175	175
	油泵马达功率 Pump motor power	KW	64	64	87	55.4 × 2	55.4 × 3	70 × 3	70 × 3	280	330
	电热功率 Electric Power	KW	53.3	53.3	67.8	83	103	143	143	181	237
	电源需求 Power requirements	A	208	208	277	347	488	636	636	802	1019
	温度控制区 Temperature control area	zones	8	8	8	9	10	11	11	11	11
	油箱容积 Fuel tank capacity	L	1000	1000	1210	1350	1800	2160	2650	3000	3900
	机器重量 Weight	ton	20.5	25	29	40.9(10.1+30.8)	62(16+46)	88(26+62)	118(28+90)	139(39+100)	198(48+150)
外形尺寸 Dimensions		m × m × m	7.7 × 2.2 × 2.3	8.7 × 2.4 × 2.54	8.9 × 2.4 × 2.6	11.15 × 2.6 × 3	12.9 × 3.2 × 3.3	14 × 3.5 × 3.6	15.5 × 3.8 × 3.8	17.2 × 4.4 × 4.4	18.8 × 4.9 × 4.1

we reserve the right to amend any aspect of the above specifications without prior notice.
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。

SEVH | 国际知名品牌配件

SEVH | 模板规格表

INOVANCE

VICKERS

Staffa

KEBA

YUKEN
日本油研

ECKERLE
HYDRAULIC DIVISION

Rexroth
Bosch Group

TECHMATION
Innovation in Motion

VALQUA

MODROL
ELECTRIC

PHASE
MOTION CONTROL

intermot
NHM

欧洲KEBA品牌控制器，高速响应，实现精密控制
European KEBA brand controller, high speed response, precision control



力士乐或油研品牌电磁换向阀，实现精密计量
Rexroth or Yuken solenoid directional valve for precise metering.



菲仕、汇川、蒙德品牌伺服电机，节能50%以上
Phase、Inovance、Modrol servo motor, energy saving more than 50%



汇川、蒙德、弘讯品牌伺服电机驱动器，实现精准控制
Inovance、Modrol、Techmation servo motor driver, to achieve accurate control



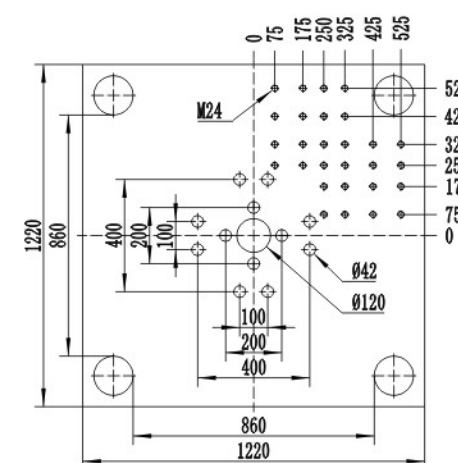
德国进口艾可勒齿轮泵
Germany imports Eckerle gear pump



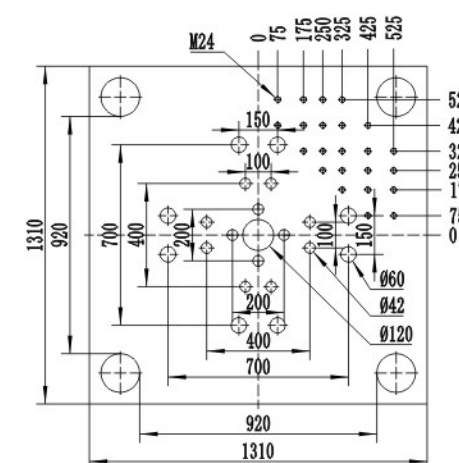
英特姆、斯达佛品牌熔胶马达，扭矩大，过载能力强，寿命长
INTERMOT、STAFFA brand melt motor, torque, overload capacity, long life



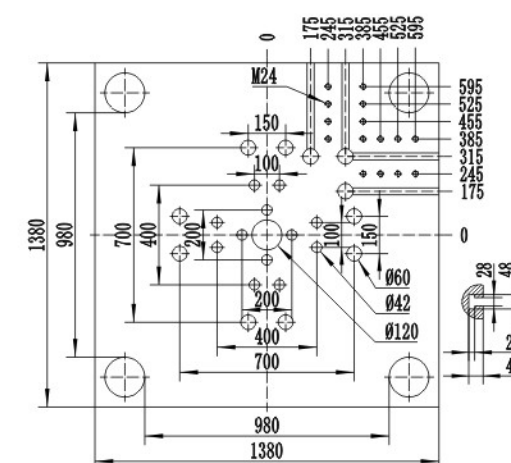
司达行、NOK品牌油封，经久耐用，密封好
Sealtech、NOK brand oil seal, durable, sealed well



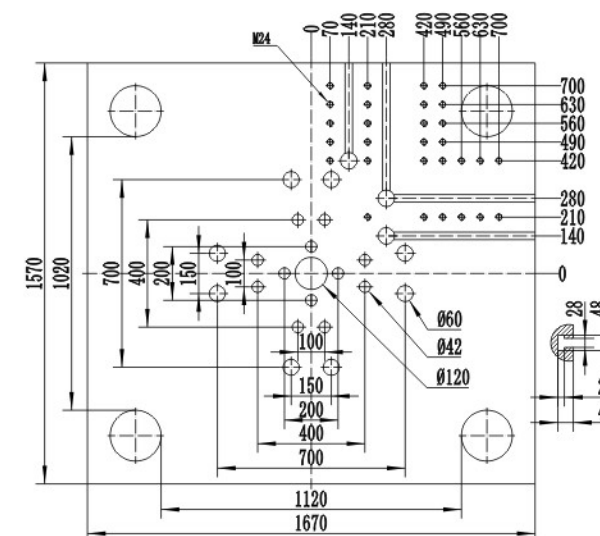
SEVH550



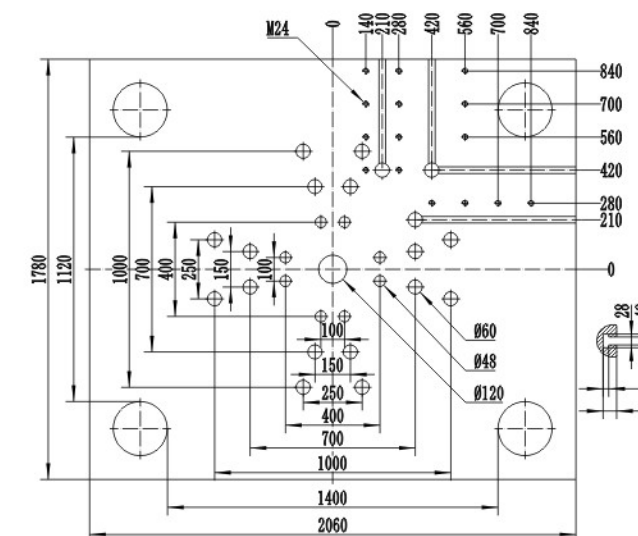
SEVH650



SEVH800



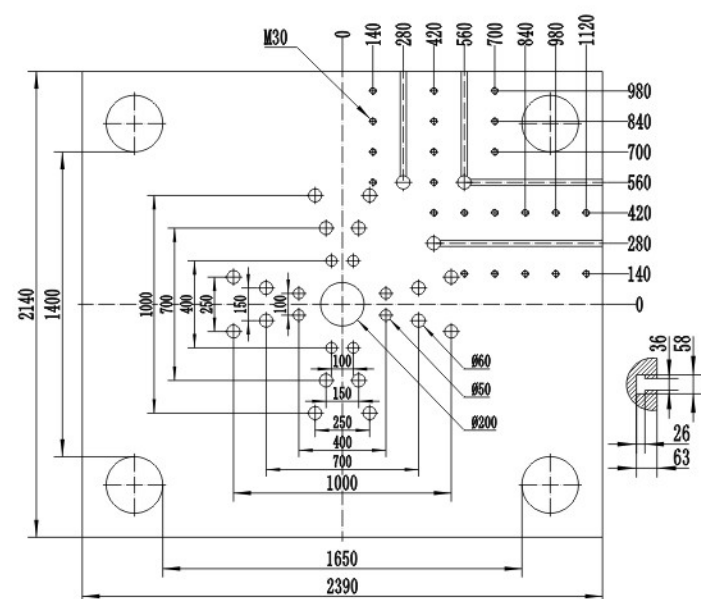
SEVH1000



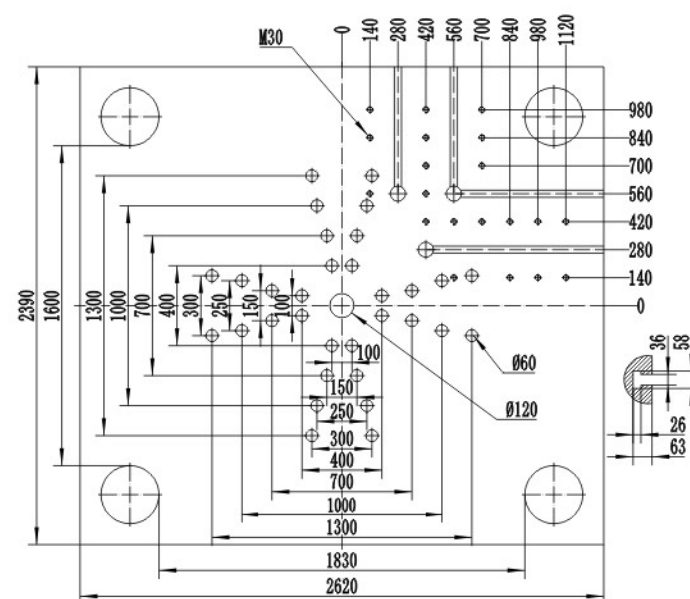
SEVH1400

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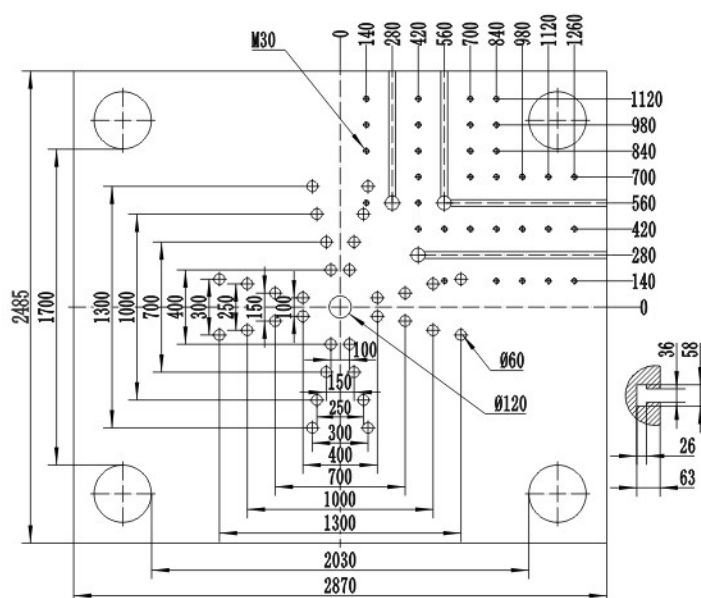
SEVH 模板规格表



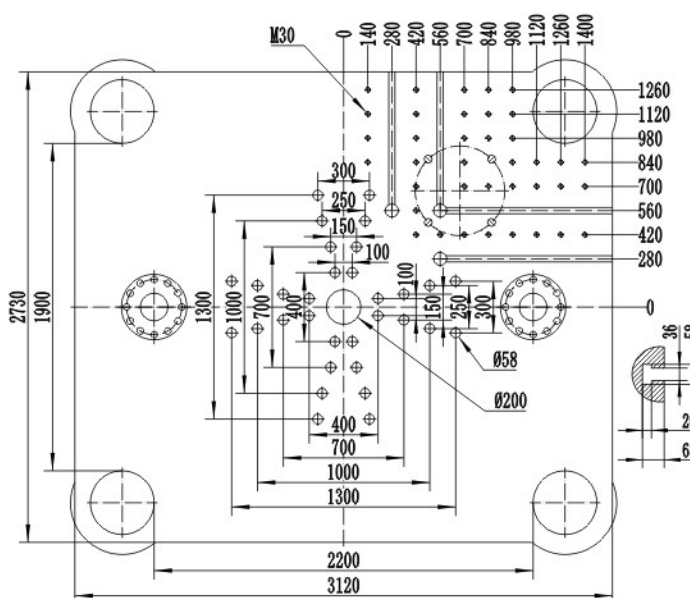
SEVH1800



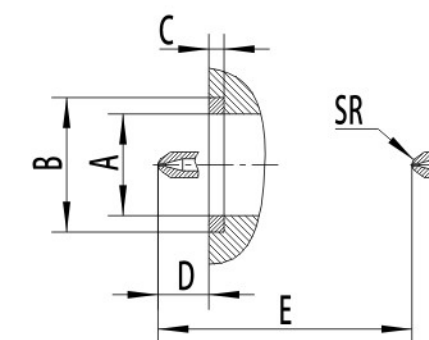
SEVH2200



SEVH2800

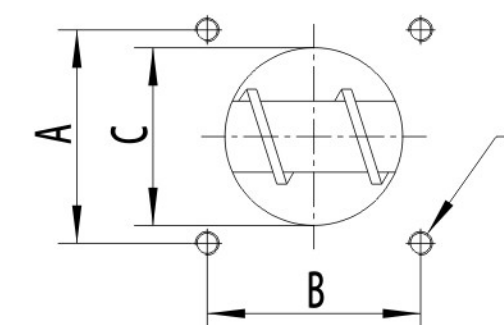


SEVH3300



定位圈及射咀位置尺寸

机型	SEVH 550	SEVH 650	SEVH 800	SEVH 1000	SEVH 1400	SEVH 1800	SEVH 2200	SEVH 2800	SEVH 3300
A	Φ150	Φ150	Φ150	Φ150	Φ200	Φ250	Φ250	Φ250	Φ250
B	-	-	-	Φ315	Φ315	Φ315	Φ315	Φ315	Φ380
C	-	-	-	30	30	30	30	30	30
D	65	140	140	140	165	165	165	165	165
E	520	560	590	950	1200	1550	1650	1700	1350
SR	20	20	20	20	20	20	20	20	20



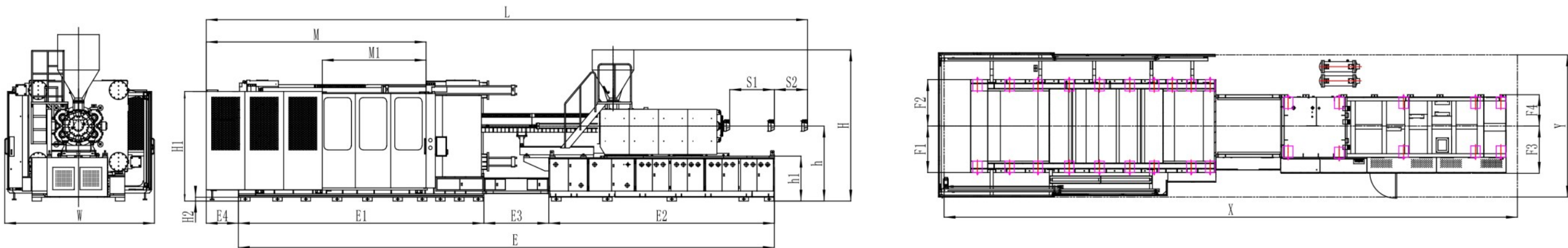
干燥机安装尺寸

机型	SEVH 550	SEVH 650	SEVH 800	SEVH 1000	SEVH 1400	SEVH 1800	SEVH 2200	SEVH 2800	SEVH 3300
A	160	140	160	160	230	230	230	300	300
B	160	140	160	160	230	250	250	300	300
C	Φ132	Φ114	Φ132	Φ144	Φ185	Φ180	Φ180	Φ250	Φ250
D	M12	M12	M12	M12	M20	M20	M20	M20	M20

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外型及安装基础尺寸



机型尺寸 Principal Dimensions

机型 Model	最大外形尺寸 Maximum Outline Dimensions								主要轮廓 Main Profile 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
SEVH550	8026	2590	2095	7441	-	-	-	199	2260	40	1485	935	3157	1469	520	510	645	645	1125	775	-	-
SEVH650	7866	2406	2128	6797	3656	3141	-	694	1946	40	1390	925	3477	1477	560	390	680	680	950	665	-	-
SEVH800	8647	2530	2382	7850	4251	3599	-	362	2300	40	1467	915	3698	1960	590	460	725	725	1125	775	-	-
SEVH1000	10368	3107	2835	8713	4118	3863	1340	512	2311	100	1585	975	4335	2100	950	510	805	805	1155	850	10170	2600
SEVH1400	12813	3613	3130	11276	5301	4635	1340	959	2603	100	1805	1065	5180	2200	1200	630	920	920	1385	965	12300	2950
SEVH1800	14774	3959	3850	13189	6068	5626	1495	1459	2890	100	1955	1212	6054	2720	1550	880	1045	1045	1248	828	14200	3100
SEVH2200	15783	3959	3956	13544	6475	5626	1443	1205	2890	100	1955	1212	6155	2745	1650	880	1225	1225	1248	828	14500	3450
SEVH2800	18393	4564	4252	15747	6383	7424	1940	1685	2970	100	2080	1210	6453	2793	1700	1290	1335	1335	1670	1225	16750	3670
SEVH3300	20511	4959	5003	17352	7320	7990	2042	1084	2970	100	2465	1528	7425	2770	1350	1400	1470	1470	1258	1600	18350	3950

注：按照“EUROMAP”国际规格 Note: Inaccordance with “EUROMAP” International specification

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标准系列配置表

>> 注射部分 / Injection Unit		SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
氮化螺杆料筒	Nitrided	●	●	●	●	●	●	●	●	●
注射位置直线电子尺控制	Lineal transducer for precise positioning control	●	●	●	●	●	●	●	●	●
倒索装置	Melt decompression	●	●	●	●	●	●	●	●	●
双缸平衡注射装置	Double-cylinder injection device	●	●	●	●	●	●	●	●	●
螺杆防冷启动功能	Screw cold start protection function	●	●	●	●	●	●	●	●	●
自动清料功能	Auto purge function	●	●	●	●	●	●	●	●	●
熔胶前后松退可选	Selectable suck-back before or after plasticizing	●	●	●	●	●	●	●	●	●
多段料筒PID温控（4至11段）	Multi-stage barrel PID temperature control (4to11stage)	●	●	●	●	●	●	●	●	●
射胶、熔胶故障自动检测	Automatic injection and plasticizing failure detection	●	●	●	●	●	●	●	●	●
精密电子尺控制射胶/熔胶行程	Precise injection transducer	●	●	●	●	●	●	●	●	●
数控背压控制	Back pressure control	●	●	●	●	●	●	●	●	●
料筒保护罩	Perforated stainless steel barrel guard	●	●	●	●	●	●	●	●	●
特殊螺杆和料筒	Special screw & Barrel	○	○	○	○	○	○	○	○	○
加长射嘴	Extended nozzle	○	○	○	○	○	○	○	○	○
储能器特快射胶装置	Accumulator high speed injection	○	○	○	○	○	○	○	○	○
不锈钢料斗	Stainless steel hopper	○	○	○	○	○	○	○	○	○
陶瓷发热圈	Ceramic heaters	○	○	○	○	○	○	○	○	○
料筒吹风装置	Barrel blowing device	○	○	○	○	○	○	○	○	○
锁模注射同步功能	Clamping injection of synchronization	○	○	○	○	○	○	○	○	○
同步熔胶	Synchronous melting	○	○	○	○	○	○	○	○	○
同步顶出	Synchronous ejection	○	○	○	○	○	○	○	○	○
射嘴防护罩	Purge cover(with safety switch)	●	●	●	●	●	●	●	●	●
>> 锁模部分 / Clamping Unit		SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
直压式液压锁模装置	Direct Clamping system for superior mold protecton	●	●	●	●	●	●	●	●	●
电气、液压安全装置	Hydraulic,Electrical & mechanical safe lock	○	○	○	○	○	○	○	○	○
卸斗及电眼控制周期复始	Recycle monitoring by photo sensor	—	—	—	—	—	—	—	—	—
直线电子尺控制锁模位置	Linear Transducer for precise positioning control	●	●	●	●	●	●	●	●	●
自动润滑装置	Automatic lubrication system	●	●	●	●	●	●	●	●	●
吹风装置	Air blow device	○	○	○	○	○	○	○	○	○
电子尺顶针控制装置	Transducer for ejecting position controlling	●	●	●	●	●	●	●	●	●
吊模架装置	Mold handger device	○	○	○	○	○	○	○	○	○
电眼控制周期复始	Recycle monitoring by photo sensor	○	○	○	○	○	○	○	○	○
低压模具保护功能	Low pressure mould protection function	●	●	●	●	●	●	●	●	●
加大容量	Increase mold thickness	○	○	○	○	○	○	○	○	○
加大顶针行程	Increase ejector stroke	○	○	○	○	○	○	○	○	○
开模机械限位装置	Mold open lock	○	○	○	○	○	○	○	○	○
顶针退后到位保护	Ejector end point safety protection	○	○	○	○	○	○	○	○	○
熔胶马达转速显示	Hydraulic motor speed display	○	○	○	○	○	○	○	○	○
铰牙装置	Unscrewing device	○	○	○	○	○	○	○	○	○
二次锁模功能	Second clamping function	○	○	○	○	○	○	○	○	○
加装模具隔热板	Mold heat insulating plates	○	○	○	●	●	●	●	●	○
伺服电动安全门	Automtic safety door	○	○	○	●	●	●	●	●	●

备注：标准配置 “●” 和备选配置 “○”

- SEVH550-SEVH800标配抽芯装置2组
- SEVH1000-SEVH3300标配抽芯装置4组

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标准系列配置表

>> 液压部分 / Hydraulic parts		SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
进口液压组件	Dual proportional control of die open and close	●	●	●	●	●	●	●	●	●
伺服驱动节能动力系统	Servo energy saving system	●	●	●	●	●	●	●	●	●
压力流量回路系统装置	Close loop on flow & pressure	●	●	●	●	●	●	●	●	●
PID温度控制	PID temperature control	●	●	●	●	●	●	●	●	●
回油过滤装置	Return oil filter	●	●	●	●	●	●	●	●	●
数控背压	Plasticizing back pressure adjusting device	●	●	●	●	●	●	●	●	●
液压油冷却装置	Hydraulic oil cooler	●	●	●	●	●	●	●	●	●
油温过高警报装置	Oil temperature alarm	○	○	○	○	○	○	○	○	○
油温过低警报装置	Oil level alarm	○	○	○	○	○	○	○	○	○
液压抽芯装置	Hydraulic core pulling device 1 set	●	●	●	●	●	●	●	●	●
独立油温控制	Independent oil temperature control system	○	○	○	○	○	○	○	○	○
同步顶出装置	Ejecting during mold opening	○	○	○	○	○	○	○	○	○
加大一级油泵电机	Enlarged pump and motor	○	○	○	○	○	○	○	○	○
氮气射胶装置	Accumulator device	○	○	○	○	○	○	○	○	○
高速比例阀控制射胶	High speed valve for injection	○	○	○	○	○	○	○	○	○
高速比例阀控制锁模	High speed valve for clamping	○	○	○	○	○	○	○	○	○
高响应伺服注射系统	High response servo injection system	○	○	○	○	○	○	○	○	○
高响应伺服开合模系统	High response servo mold open and close system	○	○	○	○	○	○	○	○	○
>> 控制部分 / The control secyion		SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
KEBA高性能控制器	KEBA high-perfurmance controller	●	●	●	●	●	●	●	●	●
OPC端口接入MES系统	OPC access to MES system	○	○	○	○	○	○	○	○	○
12"彩色触摸屏面板操作	12"color touch screen panel operation	●	●	●	●	●	●	●	●	●
20组带灯功能键	20 group of illuminated function keys	●	●	●	●	●	●	●	●	●
连接外部设备的多种接口（3 USB, RS232, 以太网）	Multiple interfaces to connect external devices (3 USE,RS232,with large network)	●	●	●	●	●	●	●	●	●
保存模具数据和截图到带USB接口的硬件设备	Save date and screenshots to a USB interface hardware devices	●	●	●	●	●	●	●	●	●
设定点和实际值为绝对值	Setpoint and the actual value of the absolute	●	●	●	●	●	●	●	●	●
过程监控以图表最小值、最大值和平均值	Process monitoring to chart shows the minimum, maximum and average	●	●	●	●	●	●	●	●	●
带日期和时间报警历史记录	With the date and time of alarm history	●	●	●	●	●	●	●	●	●
显示最近设定值更改（更改记录）	Show last setpoint changes(changes in)	●	●	●	●	●	●	●	●	●
200个模具数据内容存储器	Mold data memory 200	●	●	●	●	●	●	●	●	●
连接外围设备的输入输出（3+3）菜单配置	Input and output for connecting peripheral devices(3+3) configuration memu	●	●	●	●	●	●	●	●	●
4种访问等级100个机器操作者的数据保护	Four kinds of access level 100 machine operator's date protection	●	●	●	●	●	●	●	●	●
支持中英两种语言，可扩展其他语言	Supports 2 languages	●	●	●	●	●	●	●	●	●
>> 其它 / Other		SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
水流分布器	Water manifold	12进12出			8进8出2组		12进12出2组			

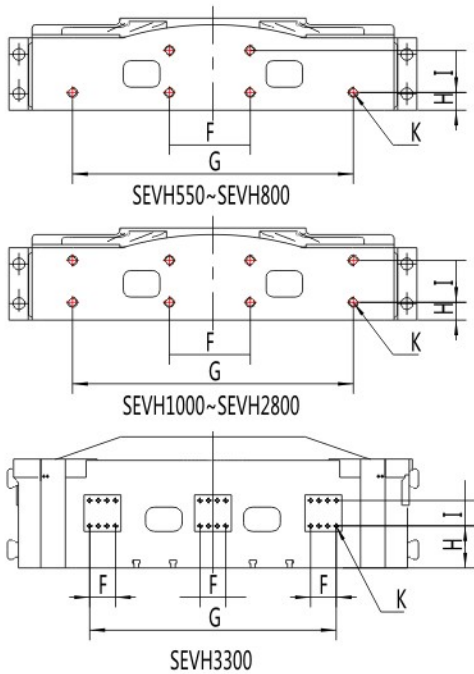
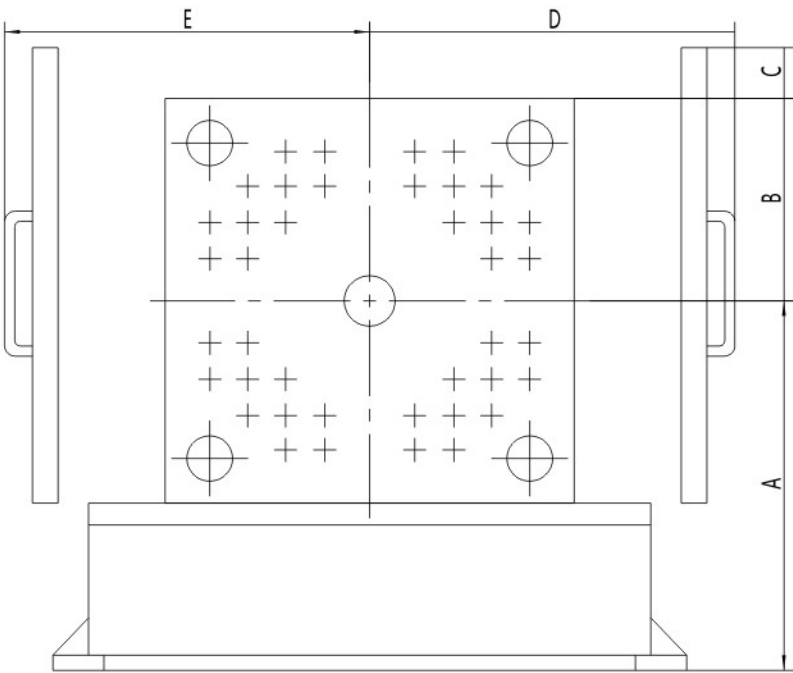
备注：标准配置“●”和备选配置“○”

- SEVH550-SEVH800标配抽芯装置2组
- SEVH1000-SEVH3300标配抽芯装置4组

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机械手安装接口尺寸

机型	SEVH550	SEVH650	SEVH800	SEVH1000	SEVH1400	SEVH1800	SEVH2200	SEVH2800	SEVH3300
A	1445	1350	1425	1495	1705	1855	1855	1980	2365
B	630	670	725	765	875	1045	1185	1257	1375
C	140	-109	95	40	-25	-85	-275	-287	-886
D	1005	1060	1145	1435	1550	1598	1949	2072	2300
E	1127	1205	1235	1400	1650	1978	2111	2180	2750
F	180	180	180	190	250	390	390	390	210
G	540	540	540	470	650	900	900	900	2010
H	35	35	55	30	32	75	75	75	345
I	230	230	270	80	140	130	130	130	210
K	6-M20	6-M20	6-M20	8-M24	8-M24	8-M30	8-M30	8-M30	24-M36



保修期明细：

注塑机整机及主要零部件保用期明细 Terms and Conditions of Warranty for Whole Unit and Major Parts of Injection Mould Machines						
零部件名称 Name of Major Parts	整机 Whole Machine	哥林柱、三大板 Tie Bars, Three Platens	电机 Electric Motor	电脑 PLC Controller	液压件 Hydraulic Components	电器件 Electrical Components
保用期 Warranty Period	在正常使用条件下免费维修、 保养一年 The whole unit comes with 1 years warranty under proper operation only	2.5年 2.5years	1年 1year			
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: The customer has to bear the cost of spare parts replacement and labour if caused by the customer's improper operation.					另注：氮化炮筒螺杆不在保修范围内。 Nitrided Screw & Barrel is not included inWarranty.	

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