

做 橡 塑 智 能 装 备 的 领 导 者
Be a leader in rubber and plastic intelligent equipment

广东科腾精密机械有限公司
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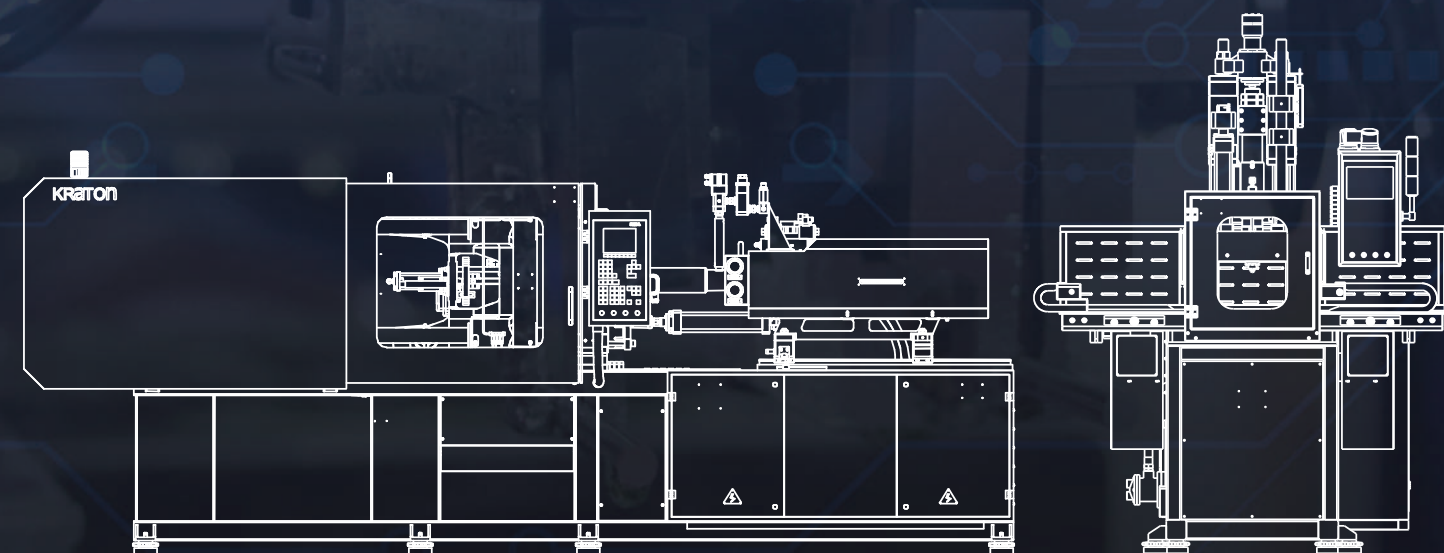


科腾品牌管理部策划|2024.04第一版

20⁺ 年专注精密液态硅胶成型

KRATON

服务为本，精益求精
We serve with pride and care



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Company profile

企业简介

广东科腾精密机械有限公司是坐落于广东省肇庆市,生产基地4.8万平方米,是一家致力于精密液态硅胶射出成型机研发、生产、销售为一体的高新技术企业。

公司秉承“服务为本,精益求精”的经营理念,严格按照ISO9001、ISO9002生产管理体系、质量管理体系、研发体系、知识产权管理体系执行,为客户提供高标准的产品和服务而享誉同行业,公司产品以精密的配件加工、稳定的质量、完善的售后服务,使产品远销欧美,东南亚等国家,网络遍及全球,成为液态硅胶射出成型机整体解决方案的行业领导者。

公司拥有日本进口MAZAK等进口CNC加工设备几十台,确保核心零件的品质。凭借20年的机械设计及生产经验,专业设计制造精密液态硅胶射出成型机。通过优化设计实现低能耗、低噪音、低污染,为客户提供高性价比,满足客户多样化的需求。公司致力于打造优秀的技术创新团队,优秀的生产管理团队,优秀的销售精英团队,优秀的售后服务团队,采用ERP管理系统,全方位为客户保驾护航!

在未来的时间里科腾公司将会以精湛的专业技术,不断的变革创新,铸就卓越品质,科腾公司追求以让机械制造更精密、更智能、更高效、更环保为目标,以领先的科技,优秀的品质,为客户创造价值。期待与您携手共谋发展、共创双赢、铸就辉煌!

Guangdong Kraton Precision Machinery Co., Ltd. is a production base located in Daxing Street, Dinghu District, Zhaoqing City, Guangdong Province. It is a high-tech enterprise dedicated to the research and development, production, and sales of precision injection molding machines and precision liquid silicone injection molding machines.

The company adheres to the business philosophy of "we serve with pride and care", providing customers with high standard products and services that are well-known in the same industry. The company's products are exported to many countries in Europe, America, Southeast Asia, and have a global network, becoming the industry leader in the overall solution of injection molding machines and liquid silicone injection molding machines.

The company has dozens of CNC processing equipment imported from Japan, such as MAZAK, to ensure the quality of core components. With 20 years of experience in mechanical design and production, we specialize in designing and manufacturing injection molding and precision liquid silicone injection molding machines. By optimizing design to achieve low energy consumption, low noise, and low pollution, we provide customers with high cost-effectiveness and meet their diverse needs. The company is committed to building an excellent technical innovation team, an excellent production management team, an excellent sales elite team, and an excellent after-sales service team. It adopts an ERP management system to provide comprehensive protection for customers!

In the future, Kraton Company will use exquisite professional technology, continuous transformation and innovation, to create excellent quality. Kraton Company pursues the goal of making mechanical manufacturing more precise, intelligent, efficient, and environmentally friendly, and creates value for customers with leading technology and excellent quality. Looking forward to working together with you to seek development, create a win-win situation, and create brilliance!



Corporate culture

企业文化

经营理念/Business philosophy

服务为本,精益求精
We serve with pride and care

企业愿景/Enterprise vision

成为全球精密设备制造领域受人尊重的企业
Become a respected enterprise in the field of global precision equipment manufacturing

企业价值观/Enterprise values

以价值客户为中心,以贡献者为本
Focus on value customers, and focus on contributors

企业使命/Corporate mission

做橡塑智能装备的领导者
Be a leader in rubber and plastic intelligent equipment



Development history

发展历程

2009

公司成立
广东省中山市
Foundation
Zhongshan, Guangdong

2013

推出二代机
双物料射出成型机
The 2nd Generation Machines
Two Material Injection Molding Machines

2016

推出三代机
进入智能化机械时代

2017

推出卧式注塑机
中山市科腾产业园正式投产
Launched Horizontal Injection
Molding Machines
New Factory Put in Production

2015

筹划全新工厂
布局华东市场
New Factory Plans
Subsidiaries in the East China Market

2011

推出一代机
立式液态硅胶射出成型机
The 1st Generation Machines
Vertical Injection Molding Machines

2018

推出双色转盘机
推出固液一体机
Two Color Rotation Injection
Molding Machines
Multi-Purpose HTV/LSR Molding
Machines

2019

推出双色/双物料卧式机
推出微量射出成型机
Two Color/Material Horizontal
Injection Molding Machines
Micro-Injection Molding Machines

2020

推出四代机
推出立式双滑板3RT结构成型机
The 4th Generation Machines
Launched Vertical Sliding-board with
3RT Structure Molding Machines

2022

6万平方肇庆新厂开工建设
国际事业部完成全球化业务布局
New 60,000 sqm Zhaoqing Plant was started building
International Business Division Achieves Global
Business Deployment

2023

肇庆新工厂正式投产
推出全新注塑机量产
The New Factory in Zhaoqing is Officially
Put into Operation
Mass Production for All New Injection
Molding Machines

What we are proud of is
not just histor....

成就,不仅仅是历史

INDUSTRY APPLICATIONS

行业应用

母婴 | Maternal and Infant

■ 婴儿奶嘴

■ Baby Nipples

■ 婴儿奶瓶

■ Baby Bottle

■ 硅胶勺

■ Silicone Spoon

■ 牙胶

■ Teether

■ 吸奶器

■ Breast Pumps

■ 婴儿餐盘

■ Baby Plate

医疗 | Medical

■ 呼吸机

■ Ventilator

■ 喉罩

■ Laryngeal Mask

■ 引流球

■ Drain Ball

■ 导尿管

■ Urinary Catheter

■ 血氧

■ Parts for Blood/Oxygen

■ 人工耳蜗

■ Cochlear Implant

厨具 | Kitchenware

■ 蛋糕盘

■ Cake Pan

■ 硅胶锅铲

■ Silicone spatula

■ 保鲜膜

■ Food Bag

■ 硅胶揉面垫

■ Kneading Pad

■ 折叠硅胶碗

■ Folding Bowl

■ 过滤器

■ Strainer

电子产品 | Consumer products

■ 键盘、保护膜

■ Keypad and protective films

■ 手机防水

■ Mobile waterproofing

■ 手机壳

■ Mobile cases

■ 骨传导耳机

■ Bone conduction headphones

■ 耳塞

■ Headphones

■ 手机振膜

■ Phone diaphragm

汽车 | Automotive

■ 密封件

■ LSR Seals

■ 连接器

■ Connectors

■ 汽车按键

■ Keypads

■ 电池防水

■ Battery Waterproof

■ 线束

■ Wiring Harness

■ 遥控器

■ Remote Control

家用电器 | Home appliances

■ 压力锅圈

■ Pressure Cooker

■ 榨汁机和搅拌机

■ Juicers/Blenders

■ 扫地机

■ Vacuum/Sweepers

■ 蒸烤一体机

■ Steaming machine

■ 空调

■ Air conditioner

■ 电器密封件

■ Seals

液态硅胶射出成型还被广泛应用于成人用品、美容、潜水、光电、电力、保健产品（颈椎按摩、拔罐器）、航空（防水插头）、3C（手机、手表）等硅胶产品的生产。
The LSR injection molding production process is also widely used in the production of adult products, beauty and skin care, cables and wires, sports protection, sealing accessories and other silicone rubber accessories.

HONORARY CERTIFICATE

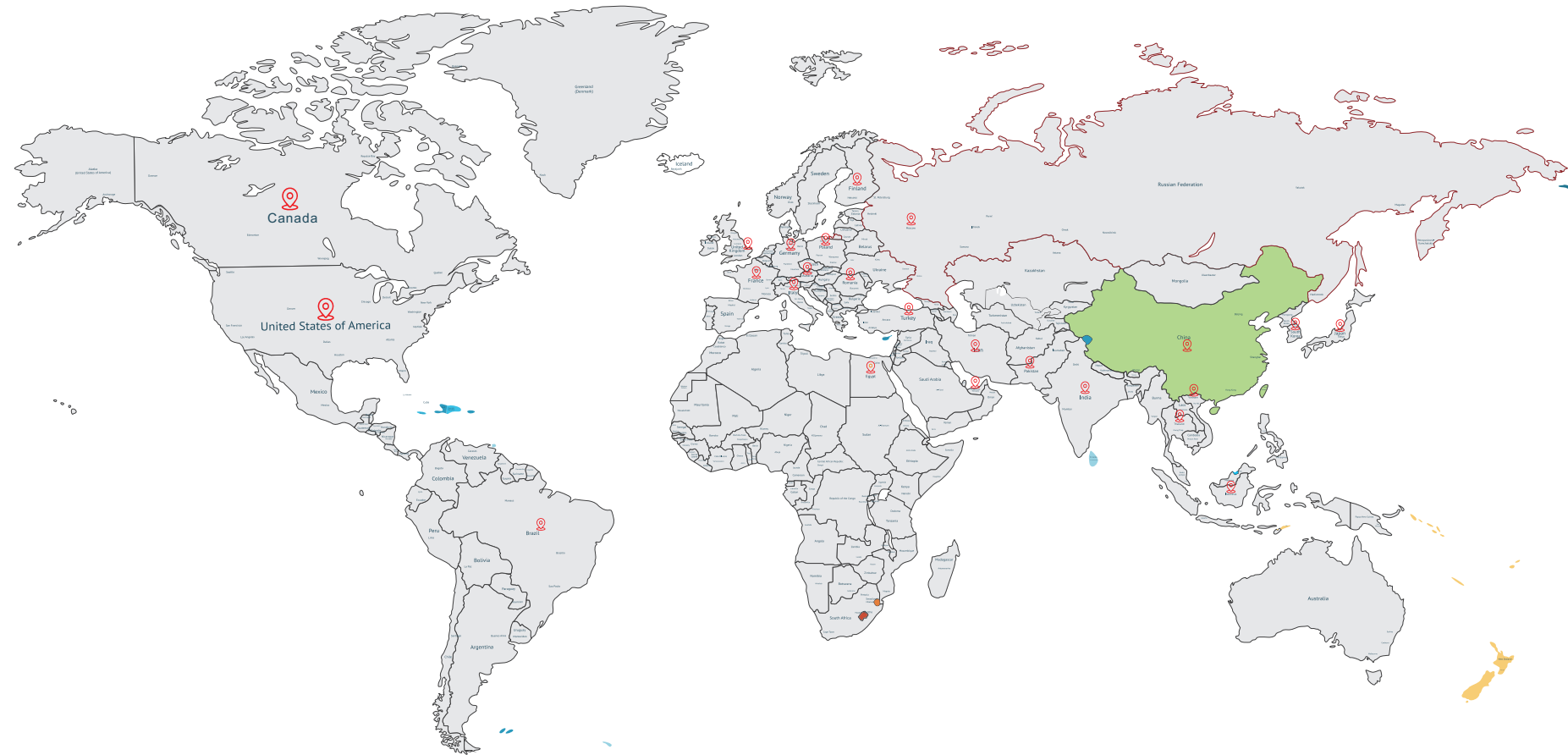
荣誉证书



不断地研发升级，已有30 多个专利
Already obtained more than 30 patents

SERVICE NETWORK

海外服务点



设备优势

Competitive advantages

合模射出同步，合模停留抽真空，独立顶出，比例式位置色浆泵，根据螺杆直径行程搭配计量，可精准控制色浆添加比例1%~10%。

Synchronized clamping and injection, with clamping hold for vacuum. High precision hydraulic colorant metering pump controlled by a proportional metering color pump with 1-10%, according to the screw barrel's diameter stroke. Dual material injection weight that is controlled by a separated (left/right) injection control board.

- 1 针阀流量控制系统低压抽真空保护控制
Needle valve flow control system with low pressure vacuum protection control

- 2 顶级大品牌节能伺服马达
Top brand energy-saving servo motor

- 3 日本品牌油缸，铸件和顶级油路系统，油阀，配件
The oil cylinders, castings, hydraulic accessories, valves and circuits adopting Japanese technology

- 4 精密数字控制色浆添加系统
Precise digital control color paste adding system

- 5 精密螺杆式压缩比混料注射系统
High precision injection system for screw compression ratio mixing

- 6 可拆卸的静态混合装置，便于换色和清洗，混合器置于冷藏环境中，方便下次使用
The detachable static mixing device. Convenient for color changing and cleaning

- 8 采用日本高端MAZAK/TSUGAMI CNC 加工设备
CNC tooling made with Japanese technology by MAZAK/TSUGAMI

- 9 科腾设计并获得专利的射出成型技术
Kraton design and obtain patented injection molding technology



- 7 电器零件：施耐德、富士、杰弗伦
气动配件：SMC、费斯托、力士乐
High quality accessories
(ARC, SMC, Siemens, Rexroth, FESTO, Gefran etc.)

为获得最佳效果，我们建议将其与科腾 KT-20/200KG-3S LSR送料机一并使用
For best results, we recommend using it with the Kraton KT-20/200KG-3S LSR dosing system

送料机

Dosing System

液态硅胶送料机

LSR Dosing System

- 高性价比的高级设计，适用于 20L 和 200L 料桶
- 人机界面优良，搭配自主开发控制程序，操作简便高效
- 西门子控制面板，高效且使用方便，系统稳定性高
- 高精度材料计量。AB抽料油缸采用同步结构设计保证压力输出平衡；配置压力传感器，超压及缺料报警，配合电子尺位置监控功能，A、B调压阀调整，确保配比1:1输出
- 动力部分采用全液压系统，液压元件采用国际品牌产品，确保送料稳定性及高可靠性，有效避免泄漏及污染
- 气动控制阀，色浆泵装于主机上，方便拆卸，可任意移位，便于多机台互换使用，进一步降低换色频次，减少浪费
- 清洁，节能，高效，低噪声，适用于各种双组份液态硅胶的输送应用
- 连接我们的LSR射出成型机，生产效率高，同时兼容其他品牌的射出机

- Premium design with high cost-performance, suitable for 20L and 200L drums
- excellent HMI with independent development control procedures, easily operating and high efficiency
- Siemens control panel with high efficiency and convenient to use, highly stable system
- High-precision material measurement. A and B extraction oil cylinder adopts synchronous structural design to ensure pressure output balance; Configuring the pressure sensor, ultra-pressure and material alarm, and the monitoring function of the position transducer, A and B pressure regulating valve adjustment to ensure the matching ratio 1: 1 output.
- The power part uses a full hydraulic system, and the hydraulic element adopts international brand products to ensure the stability and high reliability of the feeding delivery. It effectively avoid leakage and pollution.
- The pneumatic control valve, the color pump is installed on the host, which is convenient for disassemble. It can be displaced arbitrarily, which is convenient for various machines interchange and use, further reduce the frequency of color replacement, reduce waste.
- Easy to clean, energy saving, high efficient, low noise, suitable for the transition application of various dual-component liquid silicone.
- High production efficiency when connected to our LSR injection molding machines but also compatible with injection machinery from other brands.



KT-20/200KG-2S



KT-20/200KG-3S

- 适用于 20L 和 200L 料桶
- 升级版，高端设计
- 全部进口电器和配件
- A、B料自动平衡调节功能，比例色浆泵功能
- Higher-end version, suitable for 20L and 200L drums.
- Premium design with imported electrical components and accessories.
- A and B material automatic balance adjustment function, proportional color pump function.

注射系统

LSR Injection System

大胶量高精密液态硅胶注射系统(液转固)

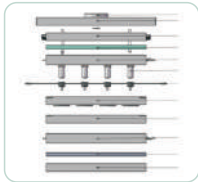
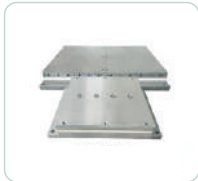
Large volume high precision material injection system

- 液转固，适用于 20L 和 200L 料桶
- 一机双用，可供注射机送料储料，也可单独应用于大胶量点胶
- 可搭配模座与固态硫化机使用

- Supports the transition from HTV to LSR for compression molding
- Dual-purpose machine, can be used as an LSR injection dosing machine or simple material dispensen.
- Can be used to manufacture many kinds of silicone products



KT-20/200KG-DJ



序号 NO.	项目 ITEM	单位 UNIT	参数 PARAMETER
1	最大输出胶量(A+B)Maximum material output	G/min	2000
2	盘面气缸行程Cylinder stroke	MM	1100
3	抽料行程Compression stroke	MM	90
4	原料桶容量Raw material barrel capacity	L	20/200
5	最大系统压力Maximum system pressure	Mpa	8
6	油缸直径cylinder diameter	MM	80
7	混合比例Mix proportion	/	1:1
8	最大送胶压力Maximum feeding pressure	Mpa	20
9	工作电压Working voltage	V	380
10	料管直径Feed tube diameter	MM	20（3/4）
11	色料管直径Color Feed tube diameter	MM	8(1/4)
12	最低空气压力Minimum air pressure	Kgf/cm ²	5.5
13	机械尺寸Machine Dimensions	MM	2090*1330*2015/3015
14	机器重量Machine Weight	KG	900

* 如本厂产品不断研发设计致规格有所变更时，恕不另行通知！
The information is subject to changes without prior notice.

KTVS-2S
SERIES

KTVS-2S系列

立式液态硅胶射出成型机

KTVS-2S Series
Vertical LSR Injection Molding Machine



- 直压式合模直立射出，确保模具准确运行
- 采用滑板设计，可单模或双模生产，提高生产效率
- 独立顶出系统，缩短机器运转周期，适用于二次成型产品
- 特殊的人体工学设计，操作高度低，适用于较低的厂房
- 减少了对操作平台的需求，简化了模具操作、脱模以及模具更换方便
- 占地面积小，节省空间

- The direct pressure hydraulic clamping system ensures the accurate operation of the mold
- Single or double sliding board with vertical downward mold enclosure
- Independent ejection system that shortens the machine operation cycle, suitable for overmoulded products
- Special ergonomic design with low operating height, suitable for workshops with lower height
- Reducing the need of an operating platform, it simplifies the mold operation, demolding as well as mold replacements
- Small footprint, it occupies a small area and saves space .



KTVS-2S-3RT系列

立式液态硅胶射出成型机

KTVS-2S-3RT Series
Vertical LSR Injection Molding Machine

- 多次顶出功能，配合结构较复杂产品开模，降低模具成本
- 配备加温模板，模具无需加温功能，适用于二次成型产品节省开模成本，缩短开模周期
- 适用于固态模具改液态射出生产

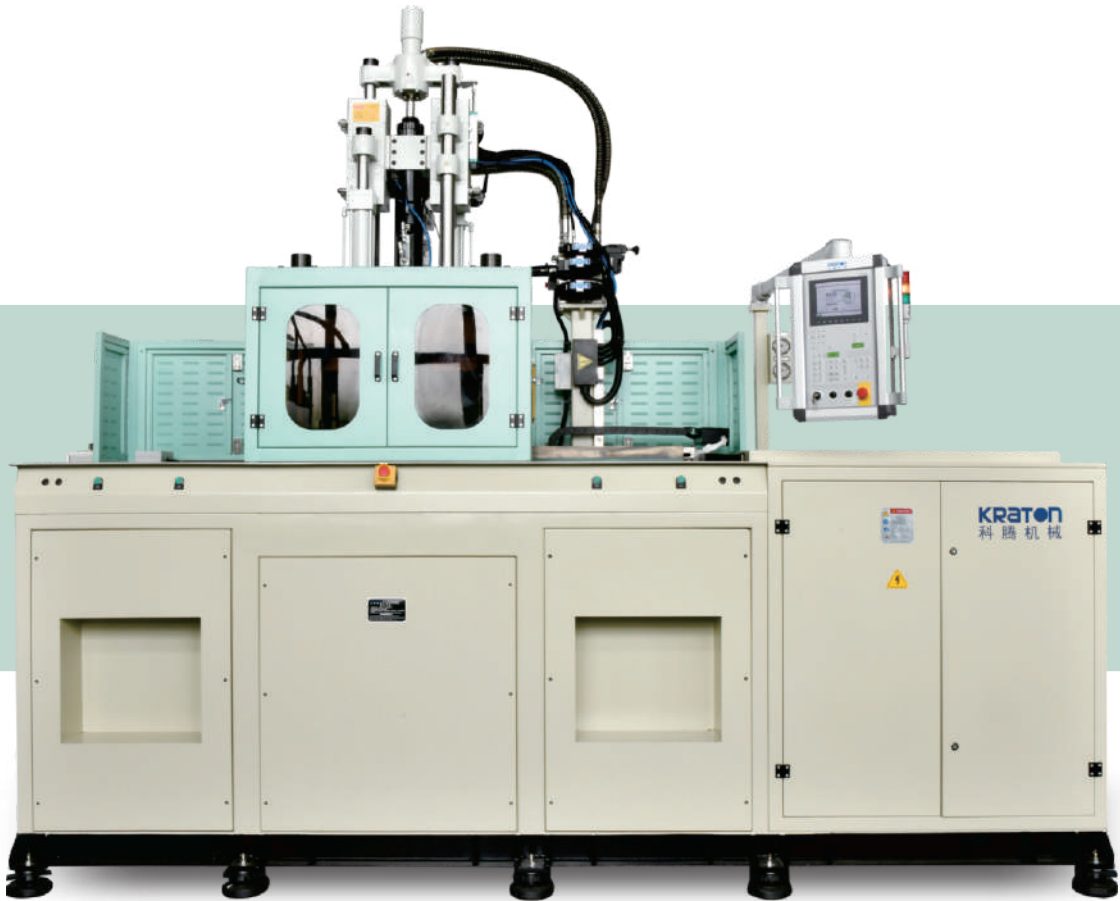
- Multiple ejection function.
- The left and right molds are independently controlled to support simultaneous production, Can use moulds with different thickness.
- Equipped with a heating board, the mold does not need heating function, therefore reducing the cost of tooling.
- Suitable for HTV mold modification of LSR injection molding production.



KTVS-2S-3RT
SERIES

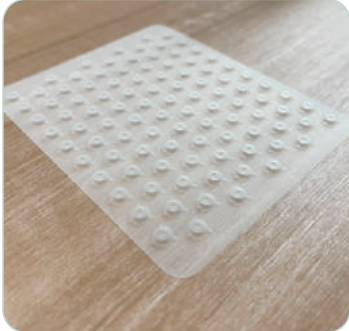
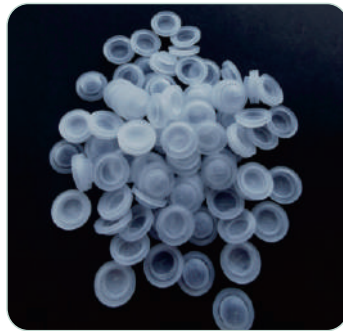
【专利产品】
PATENTED

	规格SPECIFICATION		单位 UNIT	KT-VS55-2S		KT-VS85-2S		KT-VS120-2S			KT-VS160-2S			KT-VS200-2S			KT-VS250-2S			
注射单元	INJECTION UNIT	螺杆直径 Screw Diameter	mm	16	18	28	32	40	40	45	50	45	50	55	45	50	55	60	65	85
		理论射胶量 Theoretical Injection Volume	g *	15	20	100	131	204	204	258	319	258	319	386	258	319	386	770	900	2000
		最大注射压力 Max.Injection Pressure	kgf/cm²	2051	1620	3200	2460	1575	1492	1179	955	1179	955	789	1179	955	789	930	790	940
		射嘴突出模板尺寸 Nozzle Out From Platens	mm	50		50		50			50			50			50			
合模单元	CLAMPING UNIT	锁模力 Clamping Force	kN(tf)	539(55)		833(85)		1176(120)			1568(160)			1960(200)			2450(250)			
		合模行程 Clamping Stroke	mm	250		250		300			300			300			300			
		最小模厚 Min.Mold Thickness	mm	200		250		250-450			250-450			250-450			250-450			
		最大开距 Max.Opening	mm	450(500)		500(550)		550-750			550-750			550-750			550-750			
		最大模具尺寸 (L*W)Max.Mold Size	mm	380*376		450*500		500*550			600*650			800*700			900*700			
		模板（滑板）尺寸 (L*W) Platen/Slide Size	mm	900*396		1135*495		1350*560			1470*660			1800*760			2000*820			
		成品顶出距离 Ejection Distance	mm	80		100		100			100			150			150			
其他	OTHERS	系统压力 System Pressure	Mpa(kgf/cm²)	13.7(140)		13.7(140)		13.7(140)			13.7(140)			13.7(140)			13.7(140)			
		电机功率 Moto Power	KW	13		17+2.2		17+2.2			19+2.2			22+2.2			29+2.2			
		机器尺寸Machine Dimensions	L*W	2015*1510		2405*1930		2600*2510			2750*2650			3144*2975			3435*3000			
			H	2150(2670)		2725(3380)		2980(3685)			3080(3785)			3323(4133)			3745(4665)			
			机器重量 Machine Weight	T	4		5.5		6.9			8.2			13			17		



- 直压式合模直立射出，确保模具准确运行
- 采用滑板设计，可单模或双模生产。双下模射出机适合量大产品快速生产
- 滑板速度比VS机型快。射压较大、适合大件产品高效生产
- 冷却水系统确保滑板快速动作无故障
- 滑板为单缸行程，速度快，适合作平板产品生产
- 长条型的外观设计，模板比VS机型大，适合二板模具快速生产

- The direct pressure hydraulic clamping system ensures the accurate operation of the mold.
- Single or double sliding board design. Double lower mold integration with downward mold enclosure for fast production of big products.
- The sliding board is faster than the VS' model. Larger injection pressure, suitable for large products.
- Cooling water system to ensure the quick action of the sliding board without malfunction.
- The sliding board is based on a single-cylinder stroke, with high speed, suitable for the production of flat products.
- Linear design that suits workshops with different layouts.



		规格SPECIFICATION	单位UNIT	KT-DS85-2S			KT-DS120-2S			KT-DS160-2S			KT-DS200-2S			KT-DS250-2S		
注射单元	INJECTION UNIT	螺杆直径 Screw Diameter	mm	28	32	40	40	45	50	45	50	55	45	50	55	45	50	55
		理论射胶量 Theoretical Injection Volume	g *	100	131	204	204	258	319	258	319	386	258	319	386	258	319	386
		最大注射压力 Max.Injection Pressure	kgf/cm ²	3200	2460	1575	1492	1180	955	1180	955	789	1179	955	789	1180	955	790
		射嘴突出模板尺寸 Nozzle Out From Platens	mm	50			50			50			50			50		
		射嘴直径 Nozzle Diameter	mm	12	16	20	20	25	32	25	32	40	25	32	40	25	32	40
合模单元	CLAMPING UNIT	锁模力 Clamping Force	kN(tf)	833(85)			1176(120)			1560(160)			1960(200)			2450(250)		
		合模行程 Clamping Stroke	mm	300			300			300			300			300		
		最小模厚 Min.Mold Thickness	mm	250			250			250			300			300		
		最大开距 Max.Opening	mm	500(550)			550(600)			550(600)			600(650)			600(650)		
		最大模具尺寸 (L*W)Max.Mold Size	mm	500*480			700*600			700*620			850*700			900*750		
		模板 (滑板) 尺寸 (L*W) Platen/Slide Size	mm	1200*500			1600*620			1600*640			1800*750			2200*780		
其他	OTHERS	成品顶出距离 Ejection Distance	mm	100			100			100			150			150		
		系统压力 System Pressure	Mpa(kgf/cm ²)	13.7(140)			13.7(140)			13.7(140)			13.7(140)			13.7(140)		
		电机功率 Moto Power	KW	17			17			17			22			22		
		机器尺寸Machine Dimensions	L*W H	mm			mm			mm			mm			mm		
				3235*1250 2816(3520)			4050*1360 2900(3605)			4150*1380 3060(3765)			4530*1710 3280(3985)			5355*1785 3305(4115)		
		机器重量 Machine Weight	T	5.5			7.2			8.5			9.5			13		



- 前后模结构模板水平度高，可搭配机器人使用，实现产品无毛边自动脱模生产
- 曲肘式合模结构，开合模速度更快，适用较低厂房空间，卧式结构可放置于标准厂房
- 比例式色浆泵，颜色添加稳定，调色方便- 合模射出同步抽真空，生产稳定，无气泡
- 配备高精度，快速响应的伺服系统，降低能耗

- High level mold platens, which can be paired with robot hands to obtain automatic demoulding production without burrs
- Toggle-type mold clamping structure, with fast mold opening/closing speed
- Small footprint, low height, can be installed in standard workshops
- Precise proportional pumping of the color paste. Stable color addition and convenient color matching
- Simultaneous vacuuming during mold clamping and injection. Stable production and no bubbles
- Equipped with high-precision, fast-responsive servo system to reduce energy consumption



		规格SPECIFICATION	单位UNIT	KT-VC-120			KT-VC-160			KT-VC-200			KT-VC-260			KT-VC-330			KT-VC-400		
注射单元	INJECTION UNIT	螺杆直径 Screw Diameter	mm	36	40	45	40	45	50	45	50	55	50	55	60	50	55	60	55	60	65
		理论射胶量 Theoretical Injection Volume	g *	173	214	270	251	318	393	334	412	499	491	594	707	608	736	876	784	933	1095
		最大注射压力 Max.Injection Pressure	Mpa	245	199	157	249	197	159	253	205	169	226	187	157	336	278	233	318	267	228
		射嘴突出模板尺寸 Nozzle Out From Platens	mm	50			50			50			50			50			50		
合模单元	CLAMPING UNIT	锁模力 Clamping Force	ton	120			160			200			260			330			400		
		合模行程 Clamping Stroke	mm	360			430			490			550			640			710		
		模厚 Mold Thickness	mm	150-450			180-520			200-550			220-680			250-680			300-730		
		最大开距 Max.Opening	mm	810			950			1040			1220			1320			1440		
		最小模具尺寸 (L*W)Min.Mold Size	mm	250*250			290*290			320*320			350*350			420*420			450*450		
		模板尺寸(L*W) Platen Size	mm	620*620			720*720			810*810			880*880			980*980			1050*1050		
其他	OTHERS	成品顶出距离 Ejection Distance	mm	120			140			140			150			180			210		
		系统压力 System Pressure	Mpa	17.5			17.5			17.5			17.5			17.5			17.5		
		电机功率 Moto Power	KW	17			17			17			19.3			29			49		
		机器尺寸Machine Dimensions	L*W H mm	4700*1220 1630			5150*1320 1730			5600*1550 1850			6550*1650 1900			6900*1720 2000			6900*1720 2050		
其他	OTHERS	机器重量 Machine Weight	T	4.5			4.9			6.3			8.5			10.5			15		

KTVJ系列

立式转盘液态硅胶射出成型机(R2/R3)

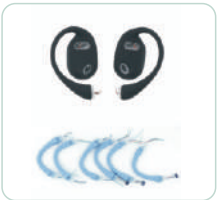
KTVJ Series

Vertical LSR Rotation Injection Molding Machine(R2)



- 直压式合模，直立式射出，确保模具准确运行，独立射出，采用了360度旋转加温滑环设计
- 采用伺服驱动转盘设计，旋转定位重复精度高
- 注射单元全闭环控制，重复注射精度高
- 可选两个或者三个工位；噪音低；能耗低和机器运动非常平稳
- 可拆卸的静态混合装置，便于换色和清洗，混合器置于冷藏环境中，方便下次使用
- 单一的工位设计，减少了对操作平台的需求，减少人员走动，可配置机械手实现全自动化生产，最小胶量达成0.3g/模

- Vertical injection with direct pressure clamping to ensure accurate mold operation, independent injection. Optional two or three work stations
- Adopts a 360-degree rotating ring design with heating function
- Servo-driven rotary design, high repeatability of rotation positioning
- Fully closed-loop control of the injection unit. Silent, economical and very smooth machine movement.
- Detachable static mixing device, convenient for color changing and cleaning.
- Simplified mold operations due to not requiring an operating platform
- Can achieve full automatization The minimum injection weight as low as 0.3g



KTVJ系列

立式转盘液态硅胶射出成型机

KTVJ Series

Vertical LSR Rotation Injection Molding Machine

- 可拆卸的进料系统，便于换色和清洗，进料系统置于冷藏环境中，方便下次使用
- 一体化成型效率高，同时节省厂房空间
- 微量射出机，原料浪费少，500g原料都能够上机使用，最小胶量可以达到0.3g/模
- 圆盘设计，低工作台，方便安装机械手，实现自动化

- Micro Injection Molding Machine - can be turned on with as little as 500g of material. The injection weight starts at 0.3g/mold
- Equipped with a detachable material dosing system, allowing easy color changing and cleaning. The dosing system can be placed in a refrigerated environment for next use
- High level efficiency with very little floor space
- Rotary design, low operating height
- Easy to pair with robot hands, can achieve full automatization

- 注射单元全闭环控制，重复注射精度高，适合精密射出
- 高度集成送料系统的注射成型机，配有20L送料机，注射成型控制的KEBA系统，操作简单
- 特殊的人体工学设计，操作高度低，适用于高度较低的车间。占地面积小，可配置机械手实现全自动化生产
- 噪音低，能耗低和机器运动非常平稳
- 减少了对操作平台的需求，简化了模具操作、脱模以及模具更换
- 一体机节省空间，一套系统控制精密稳定

- Fully closed-loop control of the injection unit, high repeatability of injection, suitable for precision injection molding
- Has its own material dosing system incorporated that can use 20L drums.
- Easy to operate through the KEBA system interface
- Special ergonomic design with low operating height. Suitable for low-height workshops
- Small footprint. Can be paired with robot hands and achieve full automatization
- Silent, economical and very smooth machine movement
- All-in-one machine design that saves space without compromising precision and stability



KT-VJ-20R2



KT-VJ55R2-E

规格SPECIFICATION			单位UNIT	KT-VJ-20R2		KT-VJ-55R2		KT-VJ55R2-E		KT-VJ-85R2			KT-VJ-120R2			KT-VJ-160R2		
注射单元	INJECTION UNIT	螺杆直径 Screw Diameter	mm	12	16	18	20	16	28	32	40	40	45	50	40	45	50	
		理论射胶量 Theoretical Injection Volume	g *	6	15	20	25	15	98	128	200	204	258	319	204	258	319	
		最大注射压力 Max.Injection Pressure	kgf/cm²	1604	2051	1620	1313	2051	3200	2460	1575	1492	1179	955	1492	1179	955	
		射嘴突出模板尺寸 Nozzle Out From Platens	mm	50	50		50		50			50			50			
合模单元	CLAMPING UNIT	锁模力 Clamping Force	kN(tf)	190(20)	539(55)		539(55)		833(85)			1176(120)			1568(160)			
		合模行程 Clamping Stroke	mm	220	250		250		250			300			300			
		最小模厚 Min.Mold Thickness	mm	210	200(300)		200(300)		250(350)			250(350)			250(350)			
		最大开距 Max.Opening	mm	430	450(550)		450(550)		500(600)			550(650)			550(650)			
		最大模具尺寸 (L*W)Max.Mold Size	mm	250*300	300*300 (400*250)		300*300 (450*250)		350*350 (300*450)			400*400 (350*550)			500*500			
		模板（滑板）尺寸 (L*W) Platen/Slide Size	mm	Ø700	Ø880		Ø880		Ø980			Ø1170			Ø1360			
		成品顶出距离 Ejection Distance	mm	60	75		75		100			100			110			
其他	OTHERS	系统压力 System Pressure	Mpa(kgf/cm²)	13.7(140)	13.7(140)		13.7(140)		13.7(140)			13.7(140)			13.7(140)			
		电机功率 Moto Power	KW	7.5+5.5+1.8	13+5.5+1.8		13+5.5+1.8		17+2.2+4.4			17+2.2+4.4			17+2.2+4.4			
		机器尺寸Machine Dimensions	L*W	mm	1800*1380	2580*1850		2580*1850		2730*1930			2890*2080			3100*2280		
			H	mm	2100(2450)	2250(2875)		2900		2740(3480)			2950(3670)			2950(3720)		
		机器重量 Machine Weight	T	2.0	4		5		4.8			6.8			8.5			

* 如本厂产品不断研发设计致规格有所变更时，恕不另行通知
The information is subject to changes without prior notice.



- 曲肘式合模机构，开合模速度更快
- 适合与两种颜色的液态硅胶产品，或两种材料（硅胶和塑料）
- 配合机器人使用，可以实现全自动生产
- 配备高精度、快速响应的伺服系统，降低能耗
- 双色/双物料一体机，节省厂房空间，稳定效率高，降低成本

- Toggle-type mold clamping mechanism, the mold opening and closing speeds are faster
- Works with two different materials (LSR/Plastic), or two different colors (LSR/LSR)
- Can achieve full automatization
- Equipped with high-precision, fast-response servo system to reduce energy consumption
- Fast injection speed, suitable for making baby products;
- Low operating table for convenient use



技术参数Technical Parameters

规格SPECIFICATION		单位 UNIT	KT-VI-180				KT-VI-250				KT-VI-330				
注射单元 INJECTION UNIT	理论射出容积 Theoretical Injection Volume	cm³	14	27	20	38	89	182	89	182	182	285	182	285	
	射出重量 Injection weight (LSR)	g *	15	29	22	42	98	200	98	200	98	200	98	200	
	射出重量 Injection weight(PS)	g *	12.9	24.4	18.5	34.9	82	167	82	167	167	261	167	261	
	最大注射压力 Max.Injection pressure	kgf/cm²	2010	1063	2010	1063	3375	1654	3375	1654	3375	1654	3375	1654	
	射出率 Injection	cm³/sec	135.1	255.5	135.1	255.5	80.5	164.2	140.8	287.4	95.1	194	79.2	161.7	
	射出速度 Injection speed	mm/sec	274		274		131		131		163		163		
	螺杆直径 Screw diameter	mm	16	22	16	22	28	40	28	40	28	40	28	40	
	L/D比 L/D ratio		27.5	20	27.5	20	28.6	20	28.6	20	28.6	20	28.6	20	
	螺杆转速 Screw speed	rpm	180		180		210		210		210		210		
	射出行程 Screw stroke	mm	70		100		145		145		145		145		
	电热总功率 heater power	kw	18				12				12				
合模单元 CLAMPING UNIT	锁模力 Clamping force	kN(tf)	180				250				330				
	最大锁模行程 Maximum locking stroke	mm	340				460				550				
	模板最大全开距 Max.daylight	mm	875				1070				1270				
	容模厚度 Capacity mold thickness	mm	150~460				510				620				
	容模尺寸 Capacity mold size	mm	350*250				600*300				750*400				
	柱内尺寸 Space between bars	mm	650*500				910*570				910*570				
	转盘直径 Rotary disc diameter	mm	Ø750				Ø1000				Ø1250				
	转盘最大承重 Rotary table load-bearing capacity	ton	1.0				1.2				1.5				
	模具中心距 Center distance of mold	mm	380				490				580				
	顶出距离 Ejector stroke	mm	100				110				150				
	顶出力 Ejector force	ton	3.0*2				3.4 *2				4.0 *2				
其他 OTHERS	系统压力 System Pressure	Mpa(kgf/cm³)	13.7 (140)				13.7 (140)				13.7 (140)				
	电机功率 Moto Power	KW	13+13+1.8				17+13+4.4				17+17+4.4				
	油箱容积 Oil tank capacity	L	300				350				400				
	机器尺寸Machine Dimensions	L*W	mm	5500*1500				6300*1900				6450*2400			
		H		2130				2250				2550			
	机器重量 Machine Weight	T	8.5				14.3				15.2				

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KTVJ

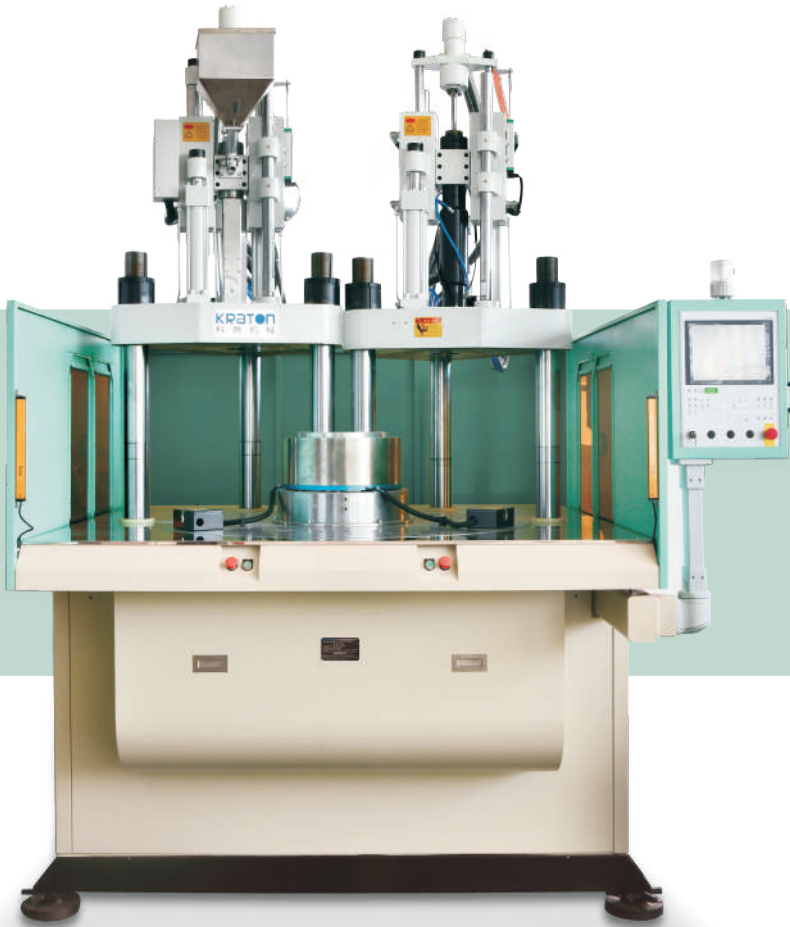
SERIES

KTVJ系列

立式双物料液态硅胶射出成型机

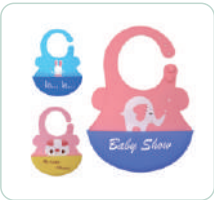
KTVJ Series

Two-Shot Vertical Injection Molding Machine



- 适合与两种颜色的液态硅胶产品，或两种材料（硅胶和塑料）
- 配合机器人使用，可以实现全自动生产
- 配备高精度、快速响应的伺服系统，降低能耗
- 双色/双物料一体机，节省厂房空间，稳定效率高，降低成本

- Works with two different materials (LSR/Plastic), or two different colors (LSR/LSR)
- Can achieve full automatization
- Equipped with high-precision, fast-response servo system to reduce energy consumption
- Fast injection speed, suitable for making baby products;
- Low operating table for convenient use



技术参数Technical Parameters

	规格SPECIFICATION	单位UNIT	KT-VJ-180R3		KT-VJ-250R3		KT-VJ-330R3	
注射单元 INJECTION UNIT	理论射出容积 Theoretical Injection Volume	cm ³	89	182	89	182	182	231
	射出重量 Injection weight (LSR)	g *	98	200	98	200	200	254
	射出重量 Injection weight(PS)	g *	83	169	83	169	169	221
	最大注射压力 Max.Injection pressure	kgf/cm ²	3214	1575	3214	1575	1575	1244
	射出速度 Injection speed	mm/sec	240		240	240	137	137
	螺杆直径 Screw diameter	mm	28	40	28	40	40	45
	螺杆转速 Screw speed	rpm	240		240		240	
	射出行程 Screw stroke	mm	145		145		145	
	电热总功率 heater power	kw	6		6		6	
合模单元 CLAMPING UNIT	锁模力 Clamping force	kN(tf)	180		250		330	
	最大开模行程 Max.opening stroke	mm	250		300		300	
	最小容模厚度 Minimum mold thickness	mm	300 /400		400 /500		450 /550	
	模板全开距离 Max.daylight	mm	550 /650		700 /800		750 /850	
	最大模具尺寸 Maximum mold size	mm	350*350 (300*450)		420*420 (400*500)		550*550 (500*750)	
	最小模具尺寸 Minimum mold size	mm	200*200		250*250		300*300	
	转盘直径 Rotary disc diameter	mm	Ø1200		Ø1480		Ø1800	
	顶出距离 Ejector stroke	mm	100		100		150	
	顶出力 Ejector force	ton	3.3		4.0		4.6	
其他 OTHERS	系统压力 System Pressure	Mpa(kgf/cm ²)	13.7(140)		13.7(140)		13.7(140)	
	电机功率 Moto Power	KW	13+13+2.2+4.4		17+17+2.2+4.4		22+22+2.2+4.4	
	油箱容积 Oil tank capacity	L	650		750		800	
	机器尺寸Machine Dimensions	L*W	3210*2410		2520*2860		3600*3050	
		H						
	机器重量 Machine Weight	T	9.0		12.7		17.6	
	模具加热方式 Mold heating method						油温，电热通用 Oil temperature, universal for electric heating	

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KTVK

SERIES

KTVK系列

立式固液一体机(单头)

KTVK Series

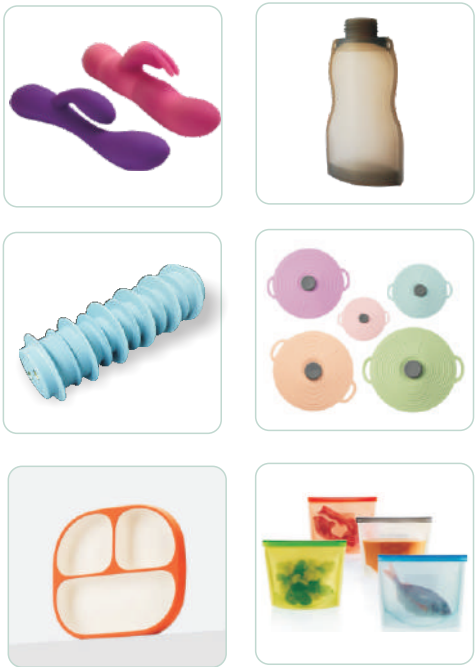
Vertical HTV/LSR Multi Molding Machine(Single Station)

【专利产品】

PATENTED



- 多功能固液硅胶成型机同，结合目前的固态模压机和液态射出机，可以应用于固态硅胶模压成型和液态硅胶射出成型工艺
- 非常高的生产效率，开模周期快，适合大件产品生产
- 液态硅胶的模具设计简单，性价比高
- 配备加温模板，模具无需加温功能，节省开模成本
- 独特的机器设计和支持多次顶出功能
- 整合的双工位独立控制系统、实现双工位生产作业，提高生产效率
- 双KEBA控制面板，带有各种HMI面板，带键盘，单点或多点触控操作



- Multi-purpose silicone molding machine. It can work with both HCR and LSR .Can use LSR for products that usually require HTV compression molding.
- Very high efficiency, allows rapid tooling. Suitable for large products.
- Can use LSR material with compression molding molds. Very high cost-efficiency.
- Equipped with a heating board. The mold does not require its own heating function.
- Unique machine design and features.
- Optional: Double KEBA control panel with wide range of HMI panels with keyboard, single or multi-touch operation.
- Best-in-class production efficiency, with integrated dual station molding, operated by independent control systems for double capacity.

KTVK

SERIES

KTVK系列

立式固液一体机(双头)

KTVK Series

Vertical HTV/LSR Multi Molding Machine(Dual-Station)

【专利产品】

PATENTED



		规格SPECIFICATION	单位UNIT	KT-VK-200			KT-VK-250			KT-VK-300		
注射单元	INJECTION UNIT	螺杆直径 Screw Diameter	mm	40	45	50	55	60	65	50	55	65
		理论射胶量 Theoretical Injection Volume	g *	352	445	550	653	778	913	913	913	913
		最大注射压力 Max.Injection Pressure	kgf/cm ²	3010	2397	1927	1592	1338	1140	1140	1140	1140
		射嘴突出模板尺寸 Nozzle Out From Platens	mm	50			50			50		
合模单元	CLAMPING UNIT	锁模力 Clamping Force	kN(tf)	1960(200)			2450(250)			2940(300)		
		合模行程 Clamping Stroke	mm	300			400			400		
		最小模厚 Min.Mold Thickness	mm	50			50			50		
		最大开距 Max.Opening	mm	350-600			450-800			450-800		
		上/下模板尺寸 (L*W)Upper/Lower Plate Size	mm	600*600 600*600			700*700 700*700			750*750 780*780		
		模具尺寸(L*W) Mold Size (Min.-Max)	mm	600*600			700*700			750*750		
		掀模角度 Lift Plate Angle	°	55			55			55		
其他	OTHERS	系统压力 System Pressure	Mpa(kgf/cm ²)	17(175)			17(175)			17(175)		
		电机功率 Moto Power	KW	22			22			22		
		机器尺寸(单头/双头) Machine Dimensions(single/dual)	L*W H	mm			2320*2210/3470*2280 2970(3730)/2970(3730)			2620*2700/3810*2700 3420(4410)/3420(4410)		
		机器重量(单头/双头) Machine Weight(single/dual)	T	5.7/11.6			8/16.3			9.3/18.1		

* 如本厂产品不断研发设计致规格有所更变时，恕不另行通知！
The information is subject to changes without prior notice.



- **KEBA电脑:**控制精准、操作方便, 后台响应快, 可实时监控和存储生产数据, 可调取参数。

Precise control, user-friendly operation, real-time monitoring, data storage, and parameter accessibility.



- **真空泵:**用于避免产品困气
Vacuum pump: To avoid air trapping.



- **"双伺服(边合模边射出):"**机器动作更快, 更稳定
Double servo motor (injection while clamping): the machine moves faster and more stable.



- **液压比例式色浆泵:**

1. 重复配比精度高, 稳定
2. 可以直接换算百分比及添加量

Hydraulic colorant metering pump:
1. High and stable repetition accuracy of proportional mixing;
2. Can directly convert the amount according to the percentage.



- **冰水机:**冰水机冷却混料器、模具冷却, 模板冷却

Chiller: Machine oil cooling, mixing cooling, mold cooling, platen cooling



- **模座:**可定制冷胶道模座

Mold base: Can be customized to cold runner mold base.



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