



潜心钻研 匠心制造
为万千企业客户提供瓶胚模具解决方案

DEVOTE TO RESEARCH AND INGENUITY MANUFACTURING
PROVIDE PREFORM MOLDING SOLUTIONS
FOR THOUSANDS OF CUSTOMERS

台州市黄岩华典模具有限公司
TAIZHOU HUANGYAN HUADIAN MOULD CO.,LTD.

地址：浙江省台州市黄岩区澄江街道桥头王689号
Address: No. 689, Qiaotou Wang, Chengjiang Street, Huangyan, Taizhou, Zhejiang
电话 / Tel: 0086-13626602127

WWW.HUADIANMOLD.COM

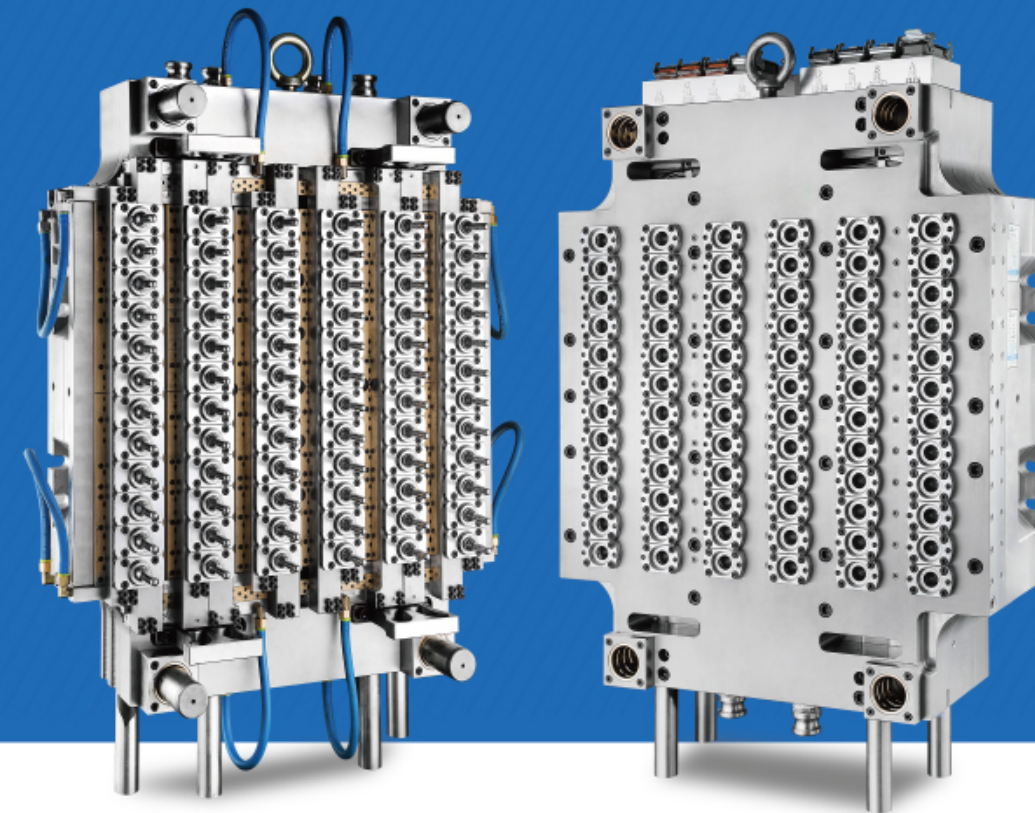


HUADIAN

PROFESSIONAL PET PREFORM MOULD MANUFACTURER

专业PET瓶胚模具制造商

- 水瓶胚模具 Mineral Water Bottle Preform Mould
- 饮料瓶胚模具 Beverage Bottle Preform Mould
- 油瓶胚模具 Edible Oil Preform Mould
- 3/5加仑瓶胚模具 3/5 Gallon Preform Mould
- 易拉罐瓶胚模具 One-Time Forming CAN Mould
- 广口瓶胚模具 Wide Mouth Preform Mould
- 化妆品瓶胚模具 Cosmetic Preform Mould
- 消毒水/洗手液瓶胚模具 Disinfectant/Hand Sanitizer Preform Mould



HD HUADIAN
华典模具

WWW.HUADIANMOLD.COM

台州市黄岩华典模具有限公司
TAIZHOU HUANGYAN HUADIAN MOULD CO.,LTD.

PROFESSIONAL PET PREFORM MOULD CUSTOMIZATION

专业PET瓶胚模具定制

Huadian Mould Co., Ltd. is located in Huangyan, Taizhou, the famous hometown of moulds, we specialize in the development and production of PET preform molds, which can be customized according to your requirements with high quality and high satisfaction.

After years of meticulous research, we have independently developed preform molds with self-locking structures and air-sealing valve gate structures, which have been widely used in edible oil, beverages, candy, cosmetics, pesticides, medicine and many other packaging industries. The preform molds feature high quality, high efficiency, energy saving and long service life, our molds sell well at home and abroad, such as the United States, Europe, South America, the Middle East, Southeast Asia, Africa and so on. Based on high customer satisfaction and quality of preform molds, our sales have been increased steadily year by year.

We have advanced mold processing equipment and strong technical capabilities. We fully adopt CAD/CAE/CAM systems to design, modeling and programming of various preform molds, and have the ability to manufacture high quality, high precision and Top level molds. In terms of design, we all use CAD, 2D & 3D software to meet the needs of various shape designs of plastic products in current market.

We are devoted to the mold industry, ingeniously forging every preform mold and component, and provide preform mold solutions for thousands of customers. Elite business representatives, professional technical engineers, as well as a number of agencies could provide business consultation, technical support and after-sales service for domestic and foreign customers at any time, And provide One-stop service throughout the entire process of mold design, production and use, saving worry and effort.

Huadian Mould carries forward the entrepreneurial tenet of "treating people with sincerity and being trustworthy", pursues the policy of "zero failure in quality, customer satisfaction", and achieves stable quality, timely delivery, competitive price, and thoughtful service, and we have gained stable partners.

Huadian Mould warmly welcomes new and old customers at home and abroad to negotiation and come to visit us!



ABOUT US 企业简介

台州市黄岩华典模具有限公司,地处著名的模具之乡——黄岩,是一家专业研制生产PET瓶胚模具的企业,可按照客户的要求定做模具,我们的模具具有高满意度,且品质有保证。

经过多年的精心研究,我们自行研制出独立自锁结构瓶胚模具及气封针阀结构瓶胚模具均已广泛应用于食用油、饮料、糖果、化妆品、农药、医药等诸多包装行业,以产品优质、高效、节能、使用寿命长的特点畅销国内外,得到广大用户的赞誉青睐,出口美国、欧洲、南美、中东、东南亚、非洲等多个国家和地区,销售额逐年稳步上升。

我们拥有先进的模具加工设备,技术力量雄厚,全面采用CAD/CAE/CAM系统进行各种瓶胚模具的设计、造型、编程,具备了制造高、精、尖模具的能力。在设计上我们均使用CAD、2D&3D软件进行设计,以满足当今市场上对塑料制品各式外形设计的需要。

我们潜心钻研模具产业,匠心锻造每一副模具、每一只零件,为万千企业客户提供模具解决方案,业务精英代表、专业技术工程师,以及多家代理机构,随时为国内外客户朋友提供业务咨询、技术支持及售后服务,并提供贯穿于模具设计、制作及使用全过程的一站式服务,省心省力。

华典模具,弘扬“以诚待人,以信为本”的创业宗旨,追求“质量零故障,客户满意”的方针,做到质量稳定,交货及时,价格合理,服务周到,收获了稳定的合作伙伴。

华典模具热烈欢迎国内外新老客户垂电洽谈,前来参观惠顾!让我们的专业技术造福万千瓶胚企业!



PRECISION-MADE EXCELLENT QUALITY 精工制造 品质卓越

华典专注于高效率、高精度、高寿命模具的研发及制造，我们凭借多年的发展与经验积累，在充分了解客户生产和项目要求的基础上，有效地提供全面优化的制造解决方案。

公司拥有一批高精度加工设备，和经过多年优化改进的加工工艺，以及完善的加工作业指导，为高品质模具的制造奠定了良好的基础。

Huadian focuses on the R&D and manufacturing of high-efficiency, high-precision, and long-life molds, and relies on years of development and experience accumulation, based on a full understanding of the customer's production and project requirements, effectively provides comprehensive and optimized manufacturing solutions.

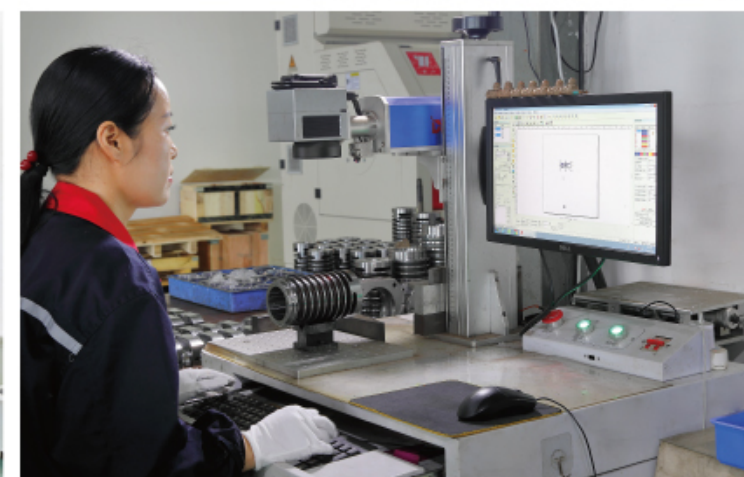
The company has a number of high-precision processing equipment. After years of optimization and improvement of the processing technology, as well as the perfect processing operation instructions, have laid a good foundation for the manufacture of high-quality molds.



PERFECT QUALITY CONTROL SYSTEM 完善的品控系统

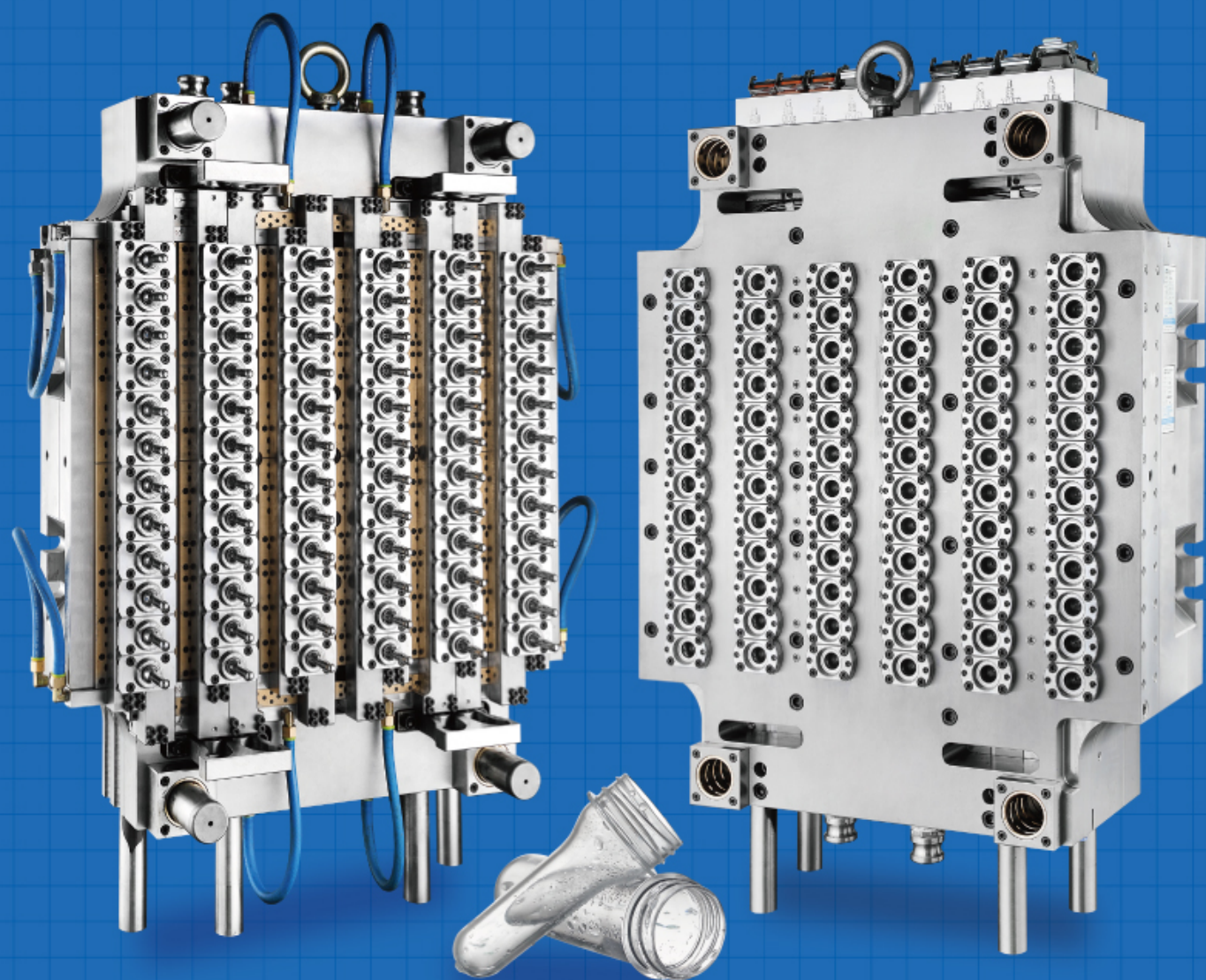
我们高品质模具的制造是由工厂以高效和无缝管理的工作流程制造出来的，做到对原材料、设备精度、加工精度、检测管理等各个环节层层把关，为高质量产品提供强有力的保障。

Our high-quality molds are carried out by the factory with an efficient and seamless management workflow, so as to check all aspects including raw materials, equipment accuracy, processing accuracy, testing management, etc., to provide a strong guarantee for high-quality products.



WATER BOTTLE PREFORM MOULD

水瓶胚模具



72腔瓶胚模具

72 cavities water bottle preform mold

模具规格: 4—96腔

Mould specifications: 4-96 cavities

瓶胚采用电脑模拟拉伸测试设计，提高吹瓶的成品率。
采用世界先进的二级双锥度定位技术，每腔独立自锁，确保模具同心度。
模具注腔、注芯选用瑞典原厂预热处理优质专用模具钢制造。

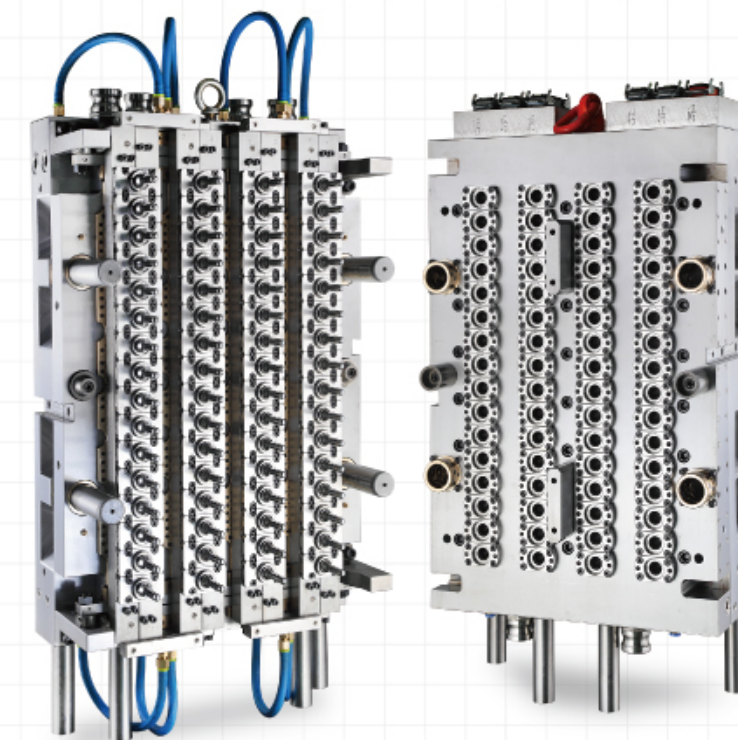
The preform is designed through computer simulation tensile tests to improve the yield of blow molding.

Adopting the world's advanced two-stage double-taper positioning technology, each cavity is independent and self-locking to ensure the concentricity of the preform mold.

The mold cavity and core are made of high-quality special mold steel, which preheated by the original factory in Sweden.



Precision processing, ingenious manufacturing
精密加工 精心制造

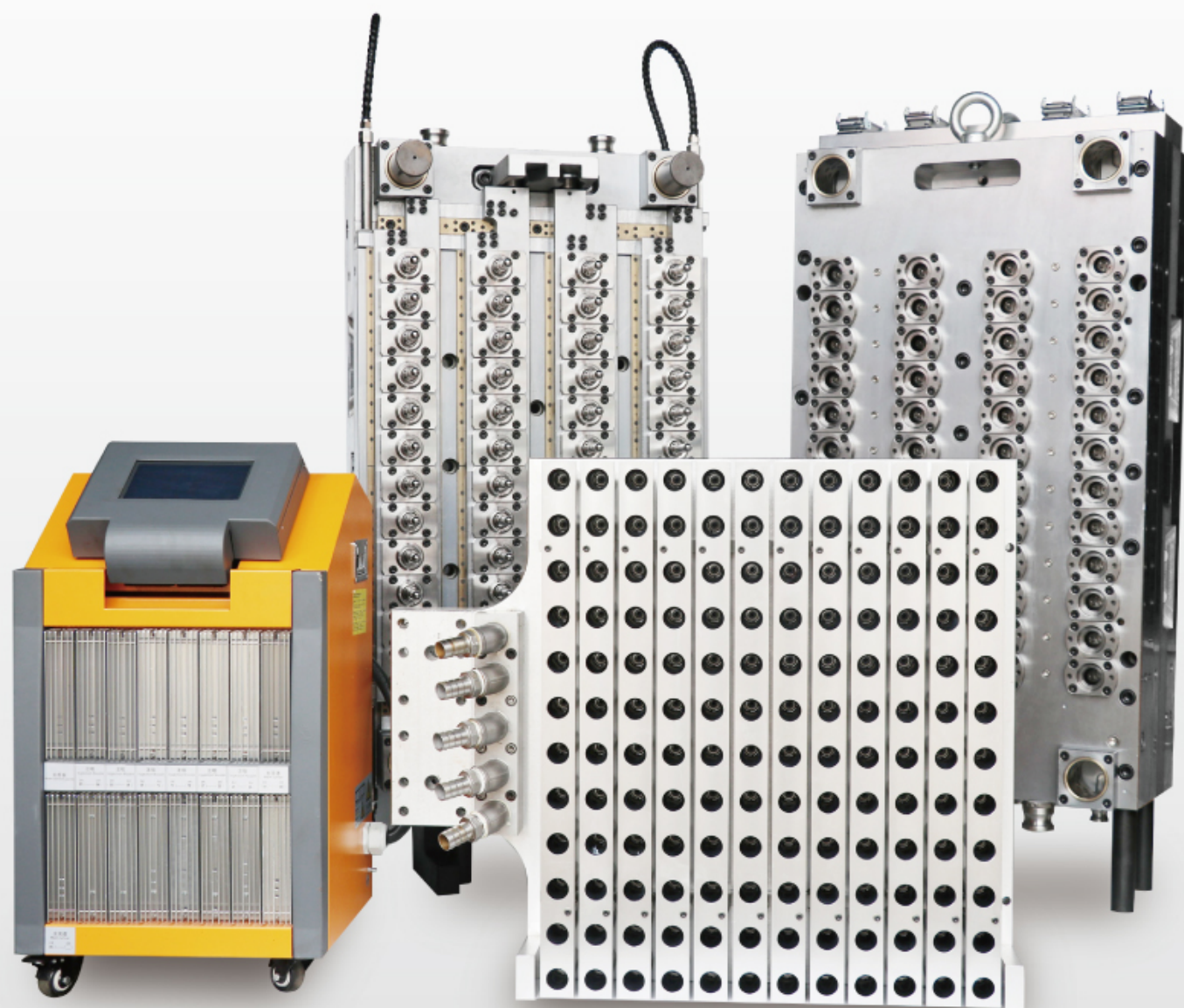


64腔瓶胚模具

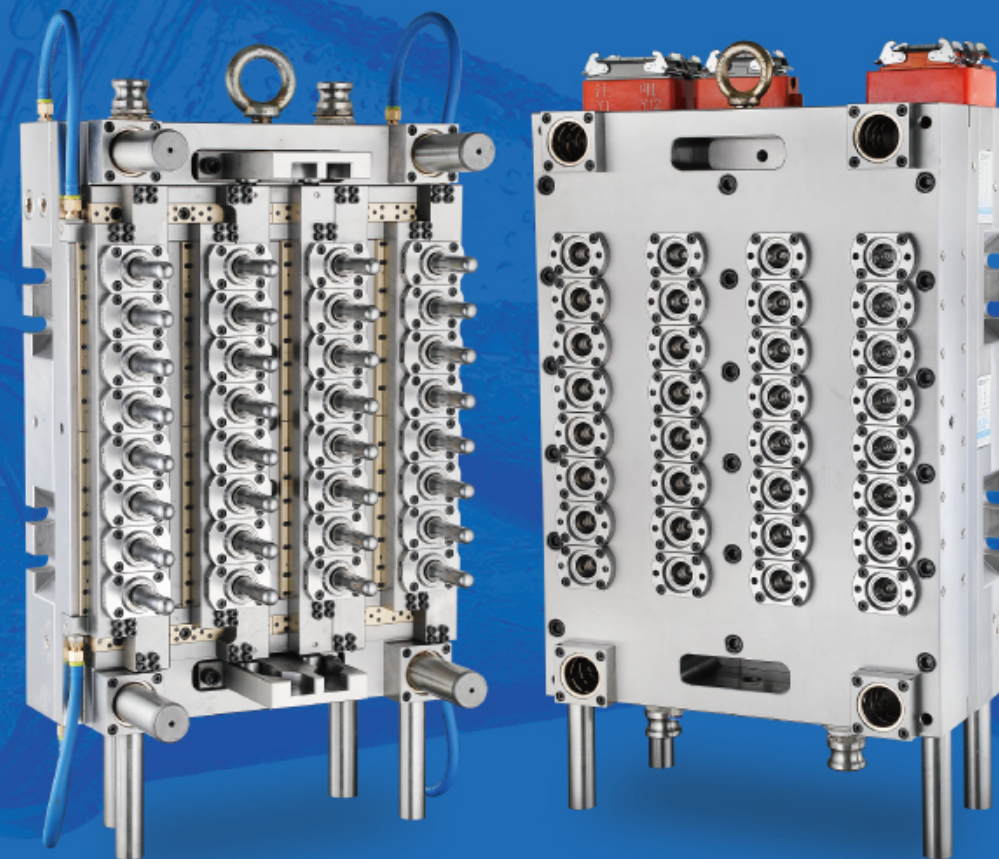
64 cavities preform mold



专业团队，为客户提供更科学合理的解决方案。
Professional team to provide customers with more scientific and reasonable solutions.



48腔瓶胚模具
48 cavities preform mold

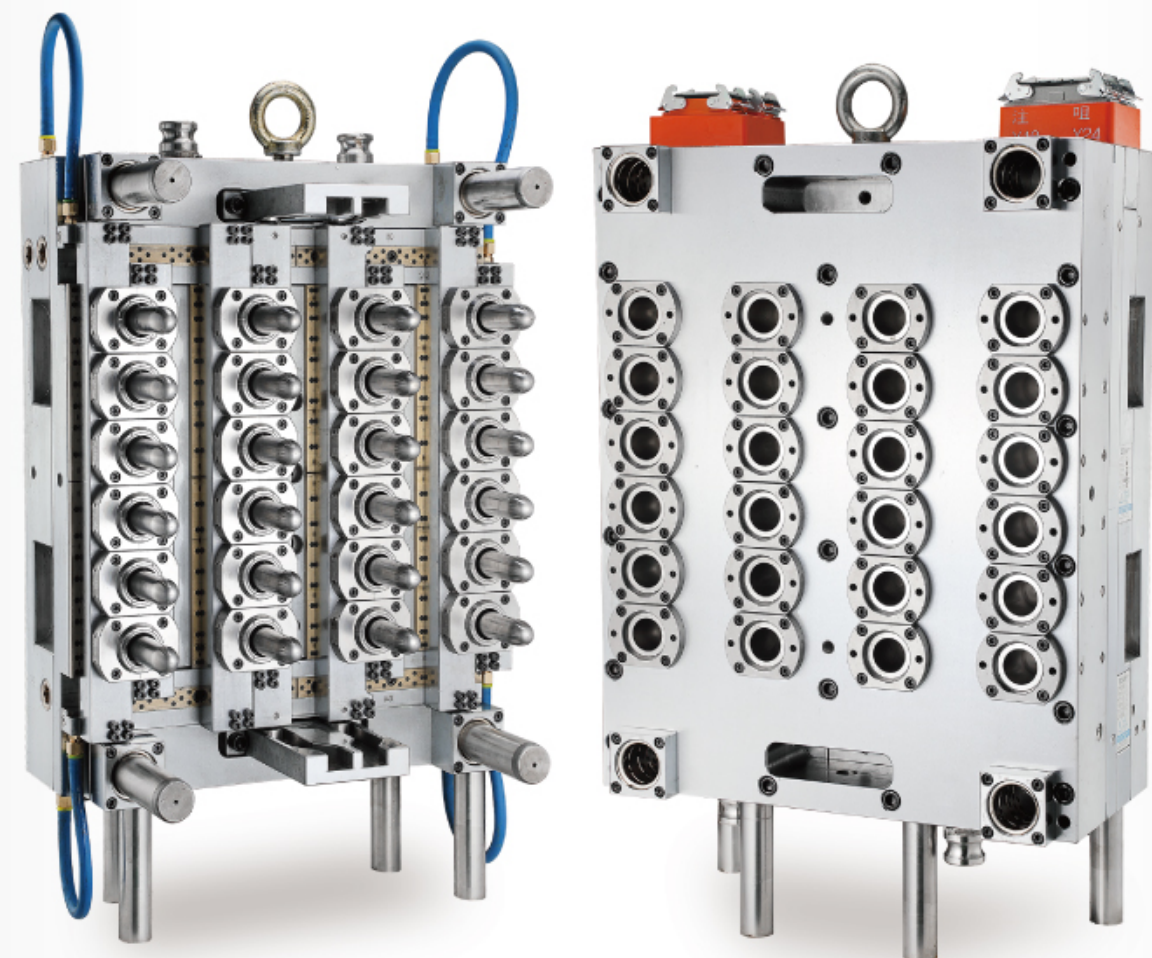


32腔水瓶/饮料瓶 瓶胚模具
32 cavities water/beverage bottle preform mold



OIL PREFORM MOULDS 油瓶胚模具

- 我们提供标准配置的PET瓶胚模具；
- 制定定制化服务，满足每个客户对产品的需求。
- We provide PET preform molds in standard configurations;
- we provide customized services to meet the needs of each customer for products.



24腔油瓶胚模具
24 cavities oil preform mould

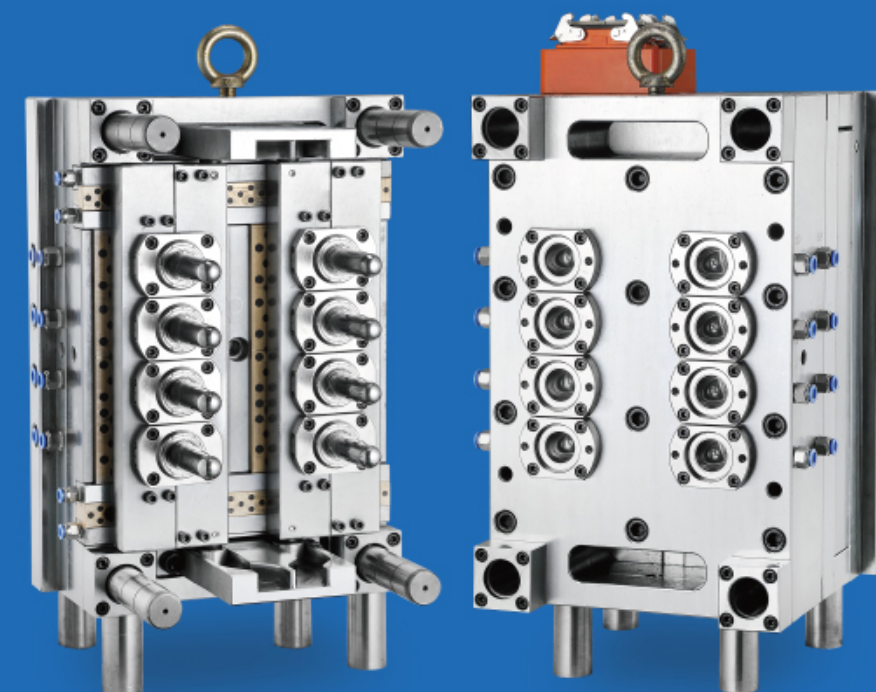
GALLON PREFORM MOULDS 加仑瓶胚模具

制造符合高质量标准的模具，提供更加全面的模具解决方案，帮助客户降低成本，实现高效产能。

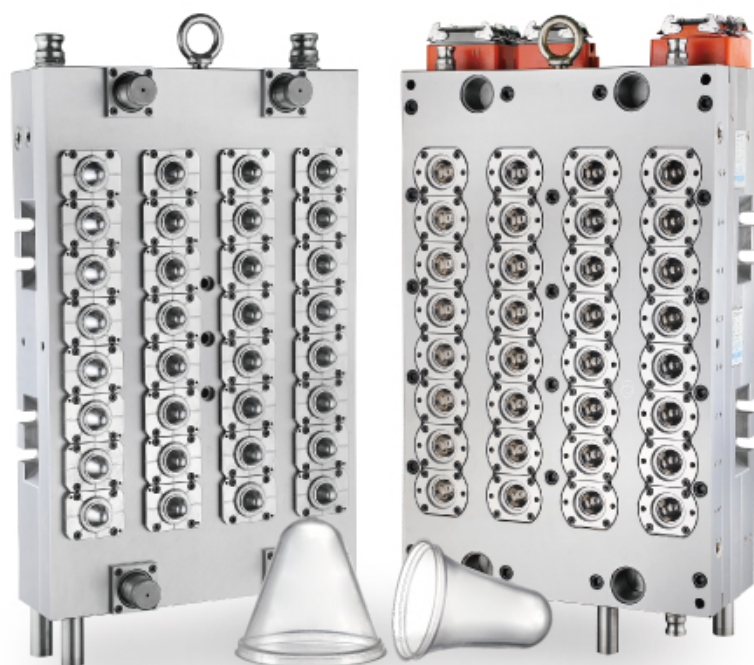
Manufacture molds that adhere to high-quality standards, provide more comprehensive mold solutions and assist customers in reducing costs and attaining efficient production capacity.



- 德国进口不锈钢制模架，有效防止水道锈蚀问题，确保优良冷却效果，及模具使用寿命。
- 采用CATIA/CIMATRON/POWERMILL等多种先进的CAD/CAM软件，不断创新，精益求精。
- The stainless steel mold base imported from Germany can effectively prevent the corrosion of the waterway, ensure the excellent cooling effect, and prolong the service life of the mold.
- Adopting various advanced CAD/CAM software such as CATIA/CIMATRON/POWERMILL, we continuously innovate and strive for excellence.



8腔瓶胚模具
8 cavities preform mould



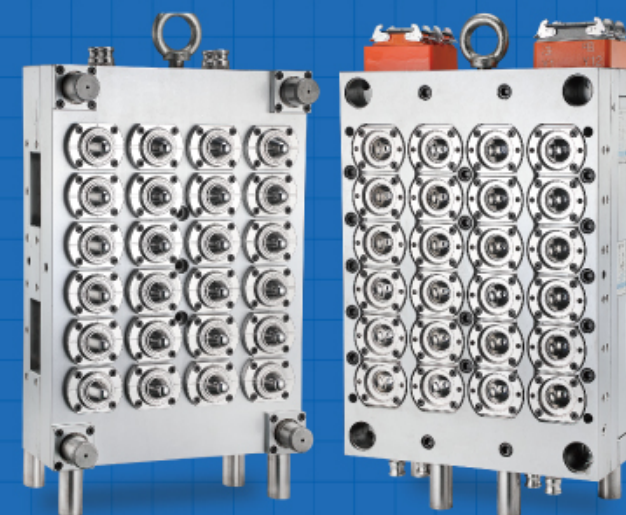
32腔易拉罐模具
32 cavities CAN mold

CAN MOULDS 易拉罐模具

- 华典模具采用了多家国际著名的钢材生产商的产品。同时，也享受了这些公司优良且成熟的热处理服务，经过专业且正确的热处理流程，华典模具的各部件可以达到由里至外非常统一且均衡硬度水平，同时内部应力和尺寸的变形程度也被减小到最小。
- Huadian Mould adopts high quality steel from many internationally renowned steel manufacturers. At the same time, it also enjoys the excellent and mature heat treatment services of these companies. Through the professional and correct heat treatment process, the parts of Huadian Mould can achieve a uniform hardness level from the inside to the outside, and the internal stress and size deformation are also reduced to a minimum.



WIDE-MOUTH PREFORM MOULDS 广口瓶胚模具



24腔瓶胚模具
24 cavities preform mold

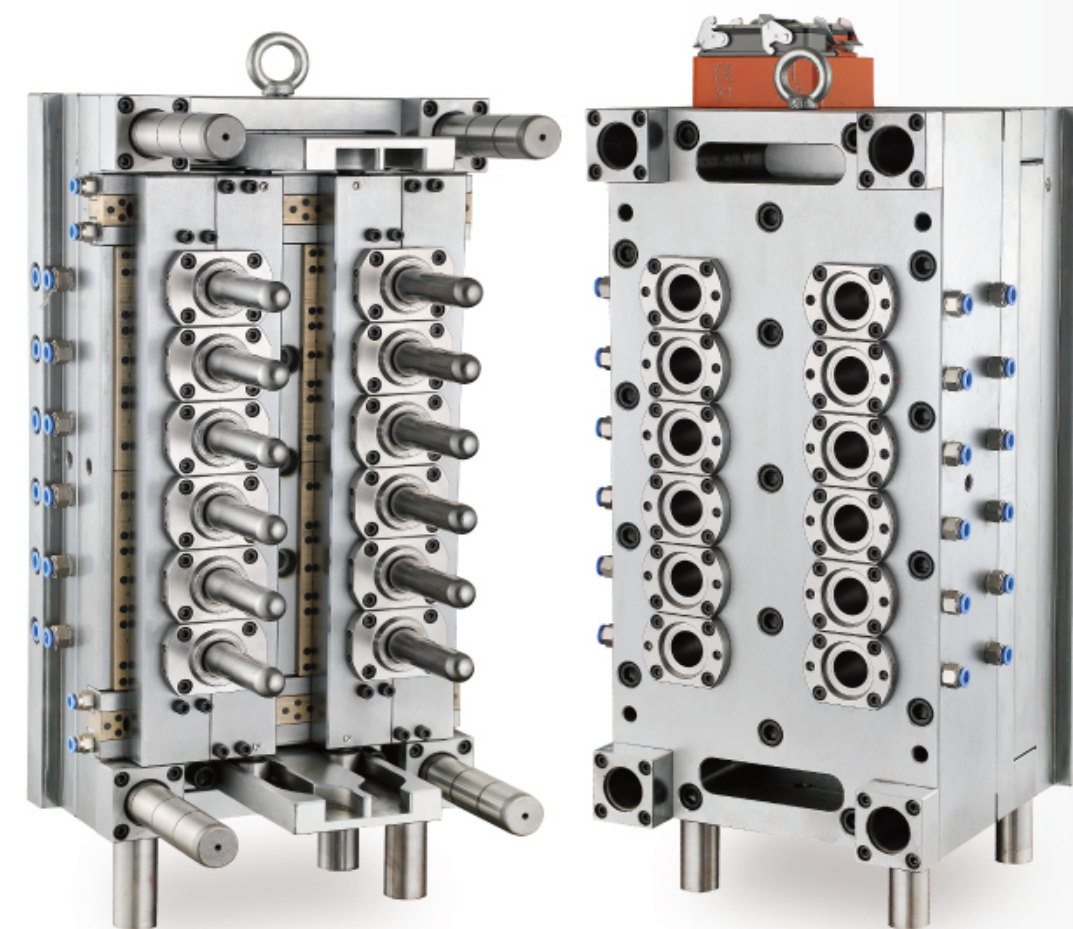


- 螺纹口按国际标准制造；
- 材料选用进口氮化钢，硬度高，使用寿命长。
- Screw neck is manufactured according to international standards;
- Adopt imported nitrided steel, which has high hardness and long service life.

COSMETIC BOTTLE MOULDS 化妆品瓶模具



- 独立双锥互锁，有效减小模具磨损，确保模具寿命及最终瓶坯的尺寸精度。
- 我们自行研制出一套独立自锁结构瓶胚模具，为客户定制价格优惠、质量保证、满意度高的产品。
- Individual dual tapers locking design for thread splits, lock ring and cavity that reduce mold's wear. It guarantees a long mold life time and a tight tolerance for the final preform product.
- We have developed a set of independent self-locking structure preform molds by ourselves, and customized products with competitive price, quality assurance and high satisfaction for customers.

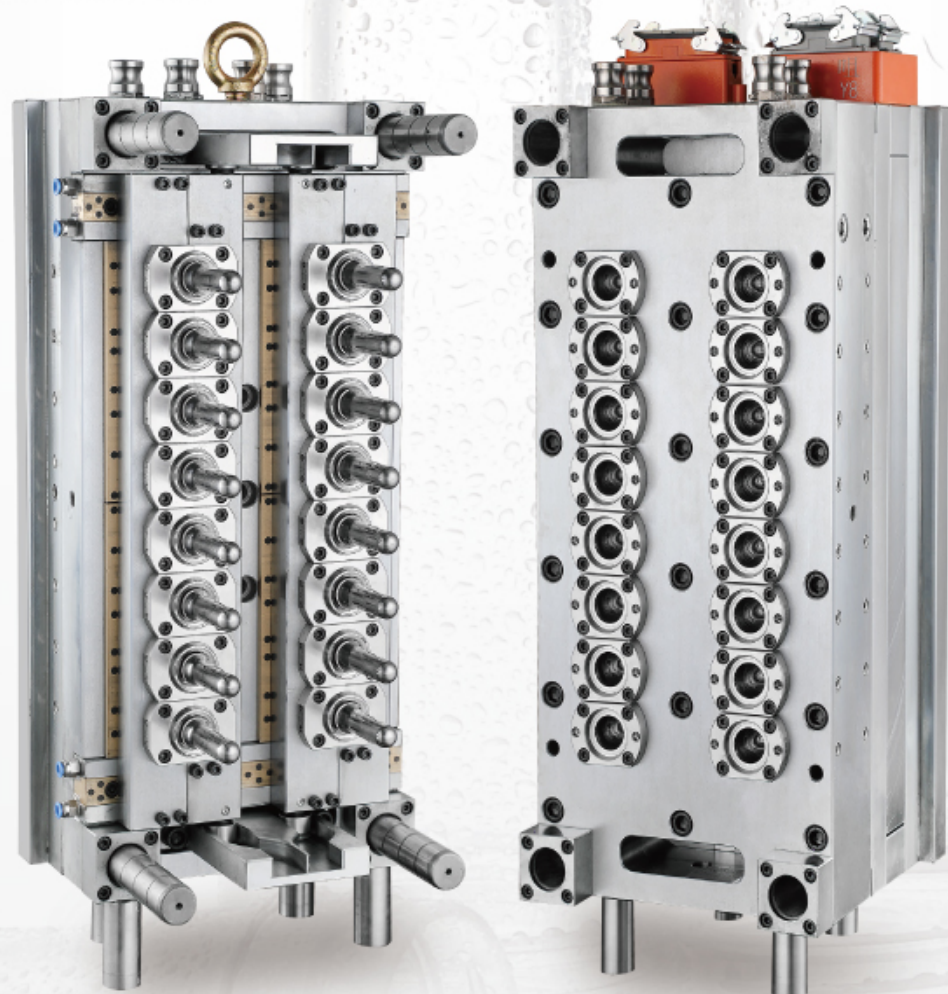


12腔瓶胚模具
12 cavities preform mould

DISINFECTANT HAND SANITIZER PREFORM MOULDS

消毒水/洗手液瓶胚模具

- 凭借高标准的制造工艺，及最优化生产流程，华典瓶胚模具具备超长的使用寿命。并且，可为客户的瓶胚模具制造高品质的内腔零件。
- With high standards of manufacturing technology and optimized production process, Huadian preform molds have a long service life. In addition, we can manufacture high-quality spare parts for customers' preform molds, such as core, cavity, neck.



16腔瓶胚模具
16 cavities preform mold

HIGH QUALITY PREFORM MOULD ACCESSORIES

高品质瓶胚模具配件

- 专用模具钢使用寿命长。进口热流道气封配件，加热均匀稳定，精准高效，硬度高。
- Special steel with high hardness and long service life. Imported hot runner gas seal accessories with stable heating and efficient.





SCOPE OF BUSINESS 业务范围

瓶胚模具整套开发 Development of complete sets of preform molds	28mm neck	32-96腔 cavity	机械手模具外部冷却,可配高速注胚系统 Profession external cooling system mold which can be equipped with a high-speed injection system
	30mm neck	32-96腔 cavity	
	38mm neck	24-72腔 cavity	
	39/45mm neck jar	16-48腔 cavity	普通注塑机型号需求200-500吨 Suitable machine tonnage: 200-500T
	60-70mm广口 neck jar	4-32腔 cavity	
	70-80mm广口 neck jar	4-32腔 cavity	
	80-95mm广口 neck jar	4-24腔 cavity	
	95-120mm广口 neck jar	4-16腔 cavity	
模具翻新改造 Mold refurbishment	热流道改造,维修模具漏胶、瓶胚底部针孔气泡,冷模翻新,维修合模线、哈夫线,调整模板平整度等,保证产品与开新模具的产品质量同等,大约能为客户节约开整模成本费用的50%-80% Hot runner modification, maintenance of mold leakage, pinhole bubbles at the bottom of the preform, cold mold refurbishment, maintenance of mold clamping line, parting line, adjustment of template flatness, etc., to ensure that the product quality is the same as the new mold, saving 50%-80% of the new mold developing cost for customers		
模具更换配件 Mold replacement parts	我们的热流道配件跟国内龙头知名品牌企业可以达到互换效果,都是国外同一供应体系,成型部位零件通过三坐标测绘,采用S136模具钢材,通过合理的工艺,高度的加工设备生产,更换后可以达到原厂配件一样的效果 Our hot runner accessories are interchangeable with those of well-known leading domestic enterprises. They are all from the same foreign supply system. The molding parts are surveyed and mapped by three-coordinate measuring machines, made of S136 steel, and produced through reasonable processes and high-precision processing equipment. After replacement, we can get the same effect as the original factory accessories.		
模具更改口径、克重 Interchange of product neck size & product weight	口径和克重的更改,可以在同一套模具实现生产多种不同的产品,更换极为方便,一个品种大约能为客户节约开整模成本费用的30%-70% We can make the neck size and product weight interchangeable in the same mold, which can help you obtain different preforms. The replacement is convenient. In this way, we can help you save 30% - 70% of the new mold development cost.		

MOULD ADVANTAGES 模具优点

序号 NO.	项目内容 Project content	项目特点介绍 Advantages of Preform Mold
1	模具模架材料、结构 Mold mold base Steel and structure	采用瓶胚模具专用S136不锈钢板,防锈及防腐性能出色,板材硬度EC35-40,经时效处理,消除应力,长期使用不会变形,平面磨床精度达0.01。模架为一次性装夹所有模板加工,保证成型孔、导柱套的同心度,整体模架精度高拉板开合采用轴承滑轨式脱胚结构,结构可靠,模具整体开合模、滑块、推板、顶出步骤协调,所有滑动零件接触面镶嵌自润滑合金铜,磨擦系数小,耐磨损。 We use S136 stainless steel for mold core and cavity, which has excellent good anti-rust and anti-corrosion properties. The hardness of the plate is EC35-40. Through aging treatment, the stress is eliminated and it will not deform after long-term use. The precision of the surface grinding machine reaches 0.01. The mold base is processed by clamping all templates at one time to ensure the concentricity of the forming holes and guide pillar sleeves. The overall mold base has high precision. The opening and closing of the pull plate adopts the bearing slide rail type demoulding structure. The overall opening and closing of the mold, the slider, the push plate and the ejection steps are coordinated. All the contact surfaces of the sliding parts are inlaid with self-lubricating alloy copper, with a small friction coefficient and high wear resistance.
2	模具成型零件 (采用S136模具钢,热处理、去应力、时效处理)	模芯与安装座结构采用锥度定位式,可拆分,直接由模芯与螺口形成锥接触定位,使螺口的长度变短,螺口冷却更加均匀快速,短的螺口有利于提高短瓶胚的接胚效率及降低接不全的风险,取胚速度明显提高。 The structure of the mold core and the mounting seat adopts a taper positioning type, which can be separated. and the cone contact positioning is formed directly by the mold core and neck, which shortens the length of the neck and makes the neck cooling more uniform and rapid. The short neck is beneficial to improving the preform picking efficiency and reducing the risk of incomplete picking. The preform picking speed is significantly improved.
	螺口 Neck	螺口的水路W式,冷却更充分,瓶胚瓶口的温度下降,减少瓶口过热而引起尺寸收缩波动。 The W-type cooling design of neck is more efficient, the temperature decreasing of the preform neck will help reduce the dimensional shrinkage fluctuation caused by overheating of the bottle neck size.

2	型腔 cavities	型腔水路采用螺旋式循环水路,能快速达到瓶胚的冷却效果,缩短瓶胚冷却时间。 The cavity adopts a spiral circulating water channel, which can quickly achieve the cooling effect and shorten the cooling time of the preform.
3	模具成型零件结构 Mold spare parts structure	主要零配件结构和国外知名品牌一致,拆卸灵活快速,方便维护保养模具加工时间增加30%,但拆卸维护保养时间缩短50%,采用双锥定位原理,高精度的加工能力,使制品平等可变化因素将到最低。 The structure of the main components is consistent with well-known foreign brands. It can be disassembled flexibly and quickly, facilitating maintenance. The processing time of the mold has increased by 30%, but the disassembly, maintenance and servicing time has been shortened by 50%. The double-cone positioning principle and high-precision processing capability minimize variable factors of the products.
4	热流道结构 Hot runner structure	气缸活塞与热流道随动,不会因为热流道加热膨胀而引起阀针与模腔的中心差异,而且气缸体与热流道板不是精密配合结构,可随意拆装,便于维护。所用部件与国际知名品牌模具相同,配件可以实现互换。 The cylinder piston moves along with the hot runner, and will not cause the center deviation of the valve needle and the mold cavity due to the heating expansion of the hot runner. Moreover, the cylinder body and the hot runner plate are not in a precise fit structure and can be disassembled and assembled at will for easy maintenance. The components used are the same as those of internationally renowned brands, and the accessories can be interchangeable.
5	热流道温控结构 Hot runner temperature control structure	热流道设有独立的专人负责装配,有规范的作业标准及检测程序控制,采用多点式多层均衡填充结构,保证每个模腔的注射行程一致。热流道采用埋入式的方形发热管加热,发热管围绕流道形状布置,具有良好的热传递性,能确保每个注点的温度均衡一致,在我们技术团队不断的优化和创新下,我们的瓶胚模具在高温情况下停顿时间更长,也不会造成不良的产品,瓶胚底部冷却充分良好,彻底解决胶口气泡气孔,有效的防止液漏。同时采用特殊的性质设计,发热膨胀系数降至最低,各个注点位置精准,AA值稳定。 Hot runner equipped with an dedicated person responsible for assembly, with standardized operation standard & inspection procedures control. A multi-point and multi-layer balanced filling structure is adopted to ensure that the injection stroke of each mold cavity is the same. The hot runner is heated by embedded square heating tubes, which are arranged around the shape of the runner, having good heat transfer performance and ensuring balanced and consistent temperatures at each injection point. With the continuous optimization and innovation of our technical team, our preform molds can remain idle at high temperatures for a longer time without causing defective products. The bottom of the preform is cooled adequately and well, completely solving the problems of air bubbles at the gate and effectively preventing material leakage. At the same time, a special property design is adopted to minimize the coefficient of thermal expansion. The positions of each injection point are precise and the AA value is stable.
6	模具加工精度 Mold machining accuracy	零件精加工在恒温车间完成,通过德国DMG六轴车铣复合加工中心及数控磨床等精密加工设备,检测用的三座标检测仪,零件的加工尺寸精度误差仅为0.01mm。 Parts processing is completed in a constant temperature workshop. Through precise machining equipment such as the German DMG six-axis high speed milling center and CNC grinding machines, and inspected by three-coordinate measuring machine, our machining accuracy error of the parts is only 0.01mm.
7	整模瓶胚克重偏差 Preform weight deviation of same shot molding	由于加工精度的提高及热流道系统的合理设计,同一模瓶胚的克重差异,缩小到0.2克。 Based on the improvement of machining accuracy and the reasonable design of the hot runner system, the gram weight difference of the same shot preforms is reduced to 0.2 grams.
8	生产周期 Cycle time	模具的结构、水路结构的优化及热流道的平衡注射,生产周期可提高15%以上的效率。 The optimization of the mold structure, water channel structure and the balanced injection of the hot runner can increase efficiency of the molding cycle by more than 15%.
9	模具使用寿命 Mould service life	模具的高精度加工条件及材质特性、硬度等提升,使模具的刚性更耐磨,模具正常使用寿命高达500万次模以上,适用于高速高效注胚机型。 The improvement of the high-precision machining conditions, material properties, hardness, etc. of the mold makes the rigidity of the mold more wear-resistant. The normal mold service life is up to more than 5 million and it is suitable for high-speed and high-efficiency preform injection molding machines.
10	模具使用成本 The cost of using the mold	由于热流道的技术及零件的硬度升级,保修期过后每年的正常维护费用约为2%,由于零部件的结构变更,排气功能得到极大的改善,热流道稳定,废品率下降为0.3%以下。 Due to the upgrading of the hot runner technology and the hardness of the parts, the normal maintenance cost is about 2% per year after the warranty time. And the air venting function has been greatly improved due to the structural changes of the components, the hot runner is stable, and the scrap rate has decreased to less than 0.3%.