



ECO系列高效瓶坯注塑系统

ECO HIGH EFFICIENT PREFORM INJECTION SYSTEM



德玛克控股集团

地址: 中国浙江省湖州市长兴国际级开发区发展大道2587号
电话: 0572-6559071, 13776090716
邮箱: sales@demark-pet.com

DEMARK HOLDING GROUP

Add: No. 2587, Development Avenue, Changxing, Huzhou,
Zhejiang Province, China
Tel: +86-572-6559071, +86-13776090716
Email: sales@demark-pet.com

www.demark-pet.com

ISO9001 & CE

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升级传统瓶坯生产方式

UPGRADING THE TRADITIONAL METHOD OF PREFORM PRODUCTION

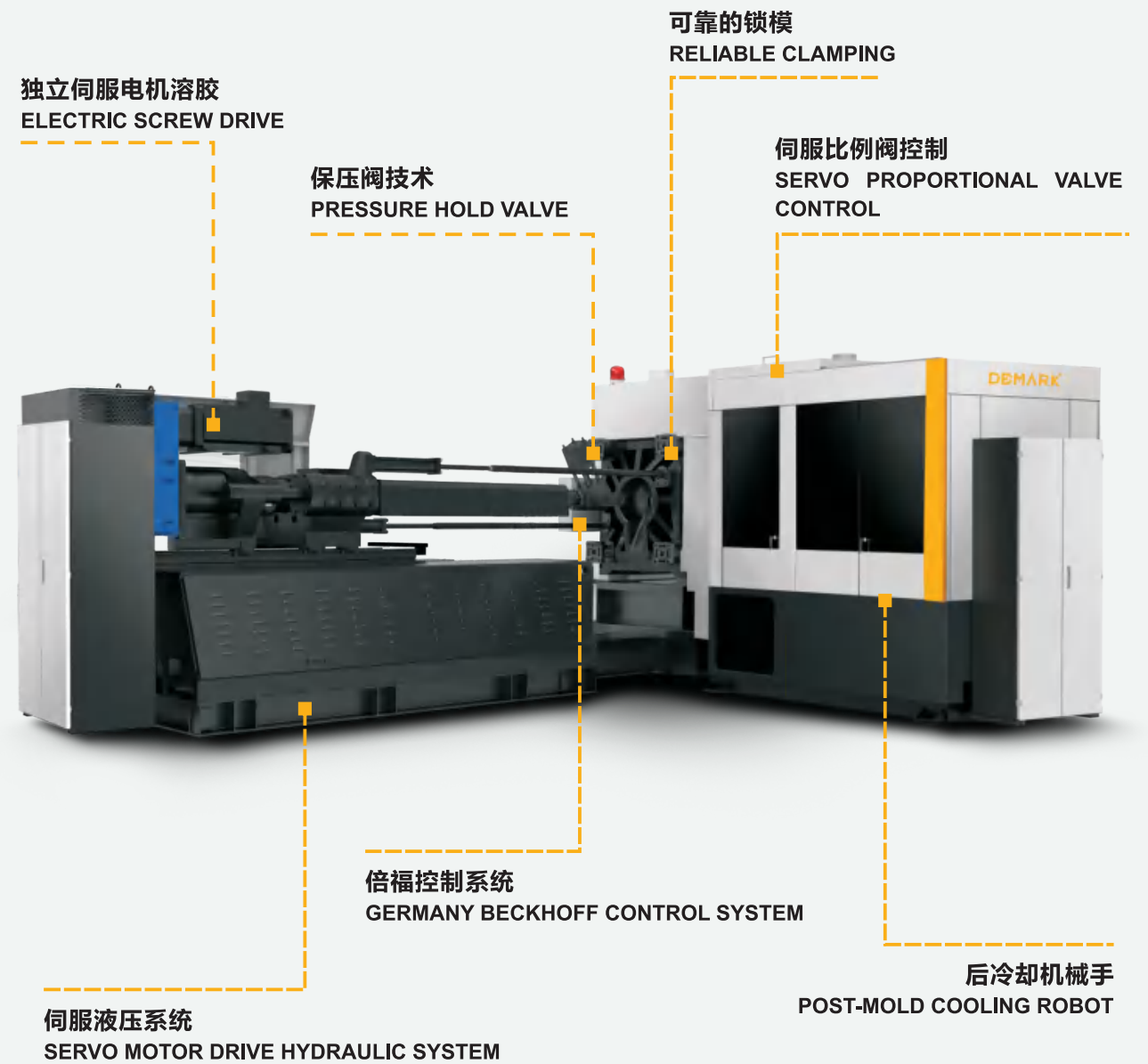
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德玛克创新为您，带来高达72腔的高速瓶坯注塑系统，一台的效率是普通瓶坯注塑机的两倍多。领先于业内其他同行的保压阀设计，有效缩短了周期时间。同时搭配德玛克高品质瓶坯注塑模具，模后冷却机械手，基于德国倍福集中控制系统和高效原料干燥系统，使得您在有限的投资内收获更多的回报。

Demark brings you the ECO series high efficient preform injection system with many years'innovation. The system is up to 72 cavities and double production capacity with normal injection machine. With the advanced pressure hold technology, the system makes the plasticization and pressure hold at the same time therefore has a better cycle time for production. With Demark precision preform injection molds, post cooling take out robot, centralized control system and high efficient material dehumidifying dryer and loader system, the ECO series brings you more returns with limited investment.

专为PET生产而设计的加大型螺杆和快速开合模设计，该系统广泛用于水和饮料瓶坯的生产，同时也特别适合大克重瓶坯的生产，如油坯以及5L水坯。不仅如此，德玛克还秉承包括瓶坯设计和整厂规划等交钥匙服务理念为您从多个维度提供更多的建议和帮助。

The ECO series is specialized for preform production with enlarge screw and fast clamping design. The system is widely used for water and beverage preform production as well as big gram preform such as oil and 5L water preform. Demark also insist on the "turnkey" solution concept by offering preform design and whole plant planning to our customers with more suggestion on various aspects.



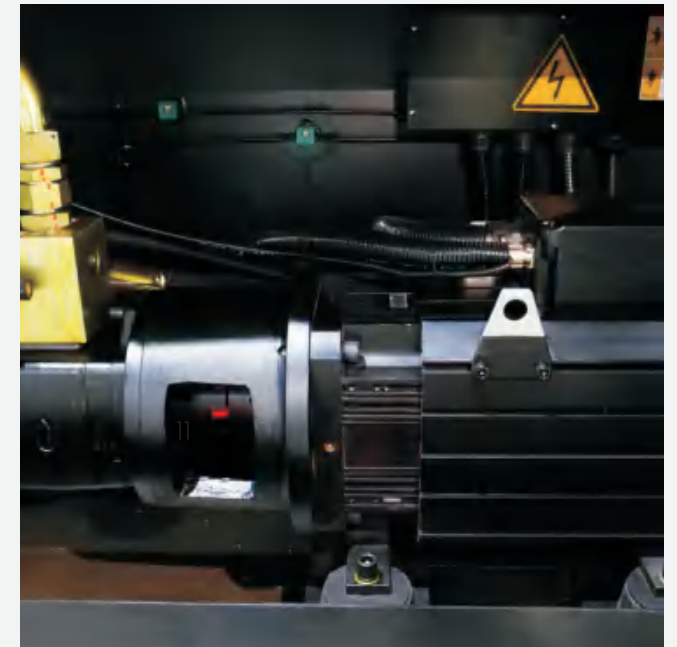
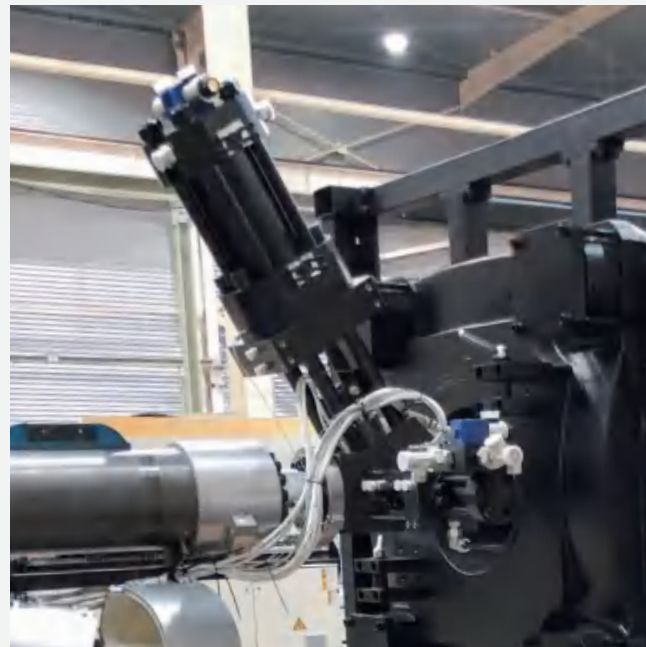
机型特点

MACHINE SPECIFICATION

DEMARK

INJECTION UNIT

注射装置



▲ 进口伺服电机溶胶，带来了节能和高效的双重提升。

▲ Independent electric plasticization drive brings you both melting and energy efficiency.

▲ 领先于业内其他同行的保压阀设计，使得溶胶和保压可以同时进行，有效缩短了周期时间。

▲ With the advanced pressure hold technology, the system makes the plasticization and pressure hold at the same time therefore has a better cycle time for production.

▲ 专门为PET生产全新设计的基于德国倍福的集中操作系统。

▲ Brand new BECKHOFF centralized control system special designed for PET production.

▲ 液压系统全由伺服电机提供动力，大幅度节省能耗的同时保证了充足的动力。

▲ The hydraulic system was driven by servo motor which ensure the lower energy consumption and sufficient hydraulic power supply.

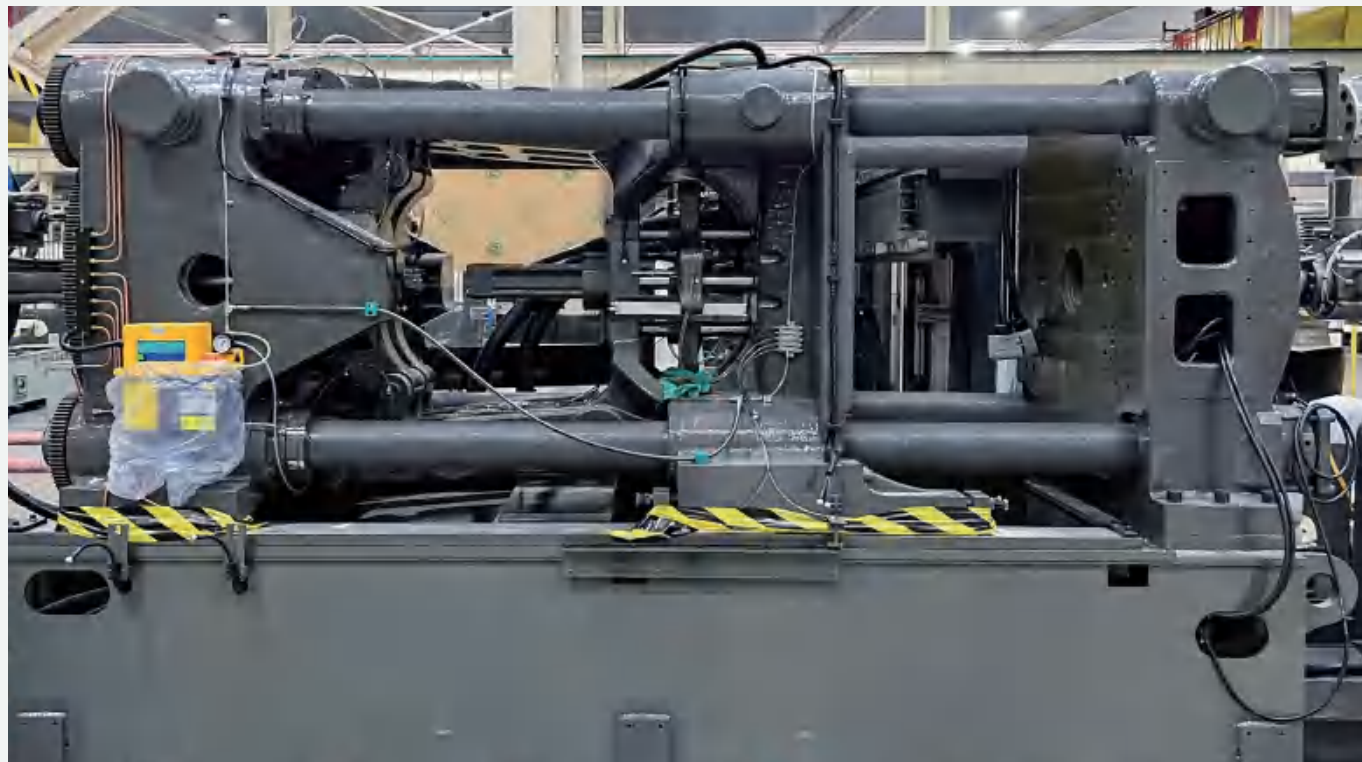
机型特点

MACHINE SPECIFICATION

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CLAMPING UNIT

锁模装置

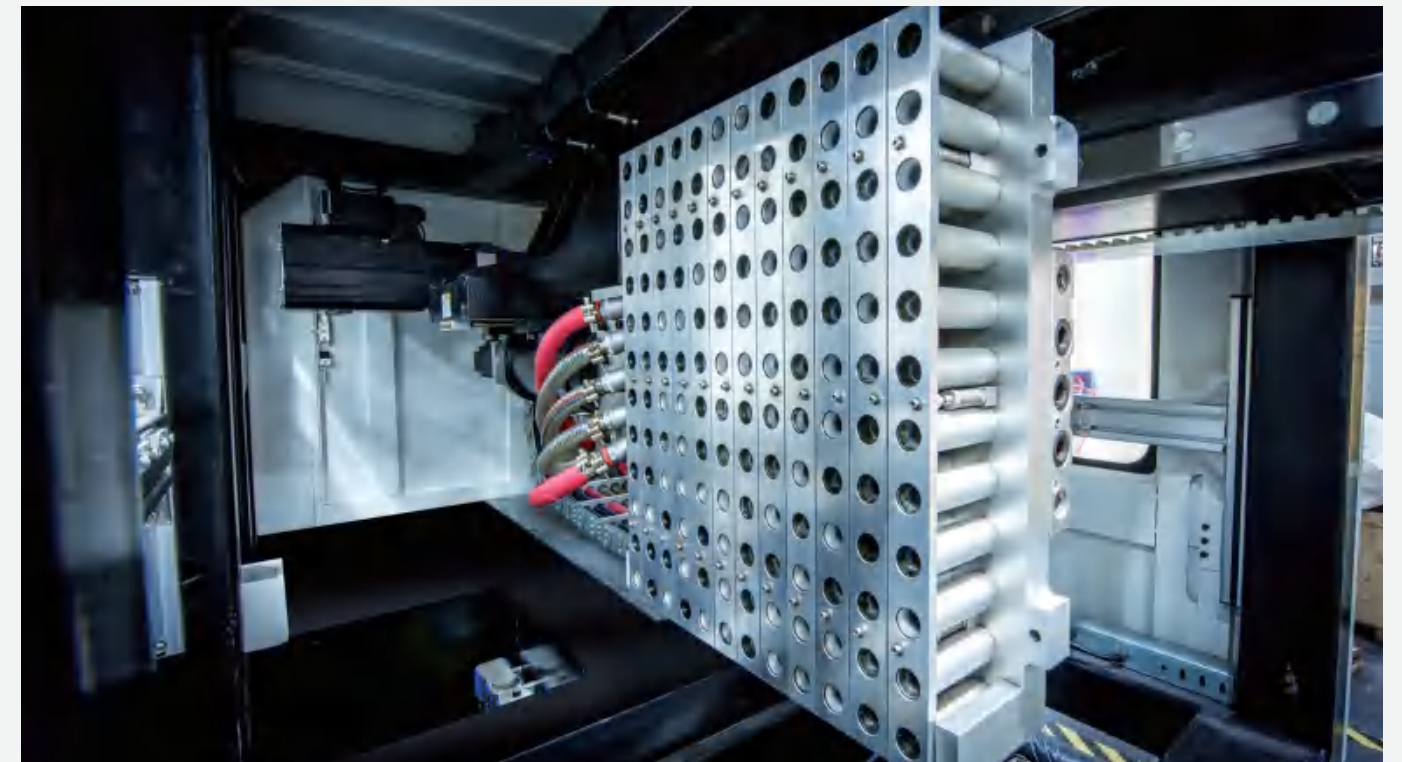


▲ 专为PET瓶坯模具设计的模板结构，使得模具各部分都受力均匀，同时保证了高速开合模的要求。

▲ Special design for PET preform mold, which ensure the fast clamping movement and uniformly forced of the mold.

POST-MOLD COOLING SYSTEM

模后冷却系统



▲ 三工位模后冷却机械手使瓶坯充分冷却的同时，更缩短了产品生产周期。

▲ Three station post cooling robot makes the preform perfectly cooled with better cycle time.

BRAND NEW HMI CONTROL SYSTEM 全新的人机交互控制系统



采用由国家千人计划的获得者，原HUSKY Injection Molding Machine Ltd的控制系统开发部首席工程师，加拿大华侨博士主持开发的新一代基于BECKHOFF PC平台的注塑机控制系统。

The project leading by former HUSKY engineer who was in charging of developing injection machine control system. Applied with his new generation PC based BECKHOFF injection system control solution.

DEMARK MACHINE COULD HAS FOLLOWING ADVANTAGE 具有以下优势

- 稳定快速的生产周期；
- 快速的PLC执行周期；
- 高性能的PC和快速的I/O；
- 各控制部件的快速通讯能力；
- 自校正和自适应的控制方法；
- 高级的各种速度、压力、温度等的控制算法和节能控制策略；
- 友好的用户设计与界面；
- 明了精确的报警功能；
- 详细的操作事件记录；
- 配备寸触摸屏，双核处理器，大内存和硬盘；
- 非接触式电子尺，寿命长，EtherCAT通讯数字讯号传输，抗干扰强。

- Stable and fast cycle time;
- Fast PLC execution time;
- High performance PC and fast I/O capability;
- Quick communication thought all control components;
- Self-adjustment and self-adaption;
- High level control algorithm for speed, pressure and temperatue. High level control strategy for reducing energy control strategy for reducing energy consumption;
- Friendly user interface design;
- Clear and accuracy alarm function;
- Detailed event log;
- Touch screen, dual core CPU, big memory and hard drive equipped;
- Non-touched electronic ruler with longer life time, and EtherCAT digital single with stronger anti-interference capability.

AUXILIARY EQUIPMENT INTEGRATION ABILITY

辅机配套能力



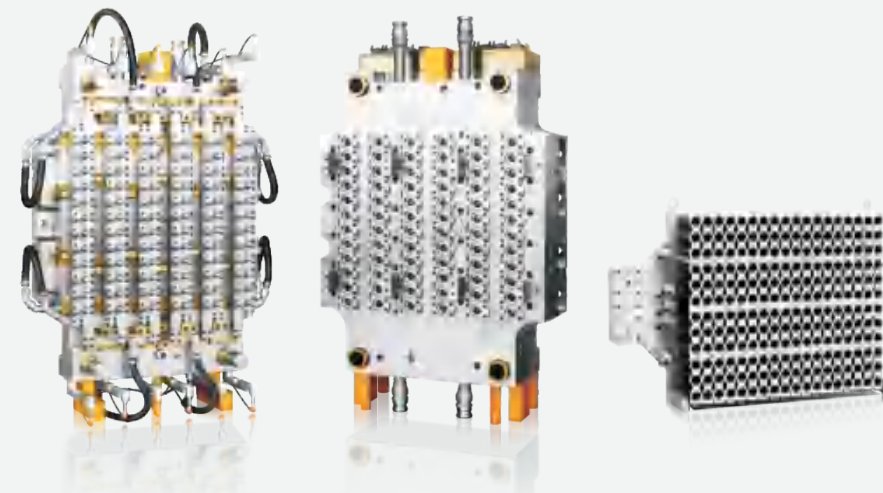
- 德玛克深谙PET系统工艺之道，为了生产出更加优质的瓶坯，根据PET瓶坯注塑生产的特点，专门定制相应的原料除湿干燥系统，模具除湿机，冷水机以及供料系统。
- 并且发挥德玛克优秀的辅机整合能力，与业内诸多厂家保持长期战略合作关系，保证充足的供货能力和更低的采购价格。
- Demark has the sound knowledge of PET preform production. In order to produce higher quality preforms, according to the characteristics of PET preform injection, the corresponding raw material dehumidification drying system, chiller and material loader system are specially customized.
- In order to show Demark's excellent auxiliary machine integration ability, we maintain long-term strategic cooperation with many manufacturers in the industry to ensure sufficient supply capacity and lower purchase price.

DEMARK HIGH QUALITY PREFORM MOLD

高品质德玛克瓶坯注塑模具



- 德玛克致力于打造世界级的恒温恒湿模具加工车间，保证材料在稳定的环境下满足严苛的精度标准。
- World class stable temperature mold processing workshop. Ensure the strict precision standards in a perfect manufacturing condition.



DEMARK 72 CAVITIES PREFORM MOLD & EOAT
德玛克72腔瓶坯模具和EOAT

- 极佳的冷半模冷却效果
Excellent cooling effect of cold half
- 热流道超平衡设计
Super Balance Design of Hot Runner
- 模具精度始终稳定
Mold accuracy is always stable
- 提供配套冷却手掌板和冷却筒
Provide EOAT with different mold pitch