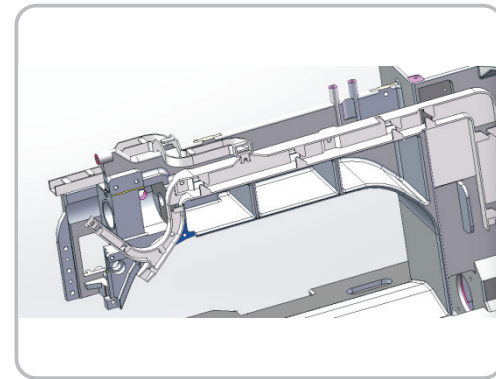


■ 光耦断线检测 | Optocoupler Thread Breakage Detection

光耦传感器实时监测绣线状态，断线时自动停机报警，避免因断线产生次品，减少面料损耗。

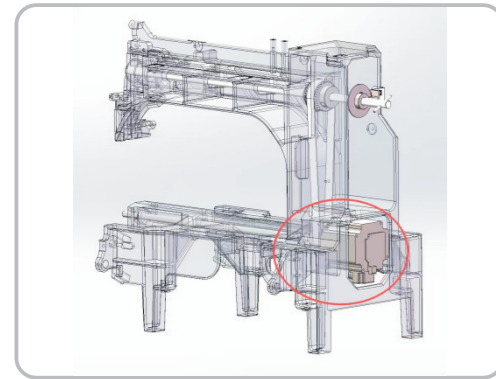
The optocoupler sensor monitors the thread status in real time, and automatically stops and alarms when the thread breaks, avoiding defective products caused by thread breakage and reducing fabric loss.



■ 耐火布线系统 | Fire-resistant Wiring System

采用耐火耐高温线材，降低高速刺绣时线体摩擦生热的安全风险，提升设备使用安全性。

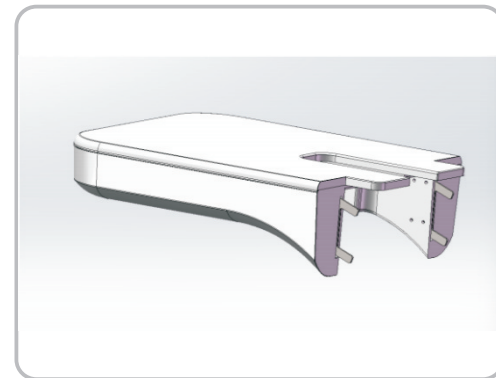
Adopts fire and high temperature resistant wires, reduces the safety risk of wire heating due to friction during high-speed embroidery, and improves the safety of equipment use.



■ 无刷伺服主轴 | Brushless Servo Spindle

提供稳定、高速的动力输出，刺绣速度快且运行噪音低、能耗小，适配长时间连续作业。

Provides stable and high-speed power output, with fast embroidery speed, low operating noise and low energy consumption, suitable for long-term continuous operation.

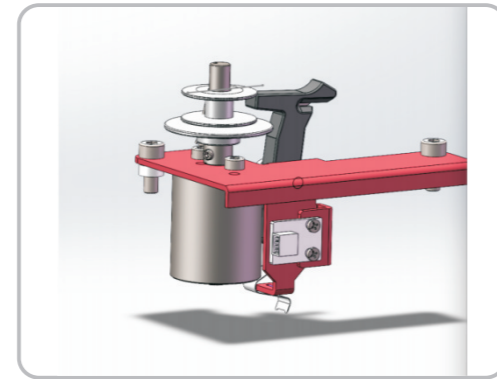


■ 可拆卸工作台 | Removable Worktable

工作台可灵活拆卸与更换，适配不同尺寸绣框和刺绣载体，提升设备使用的灵活性。

The worktable can be flexibly disassembled and replaced, suitable for embroidery frames and carriers of different sizes, improving the flexibility of equipment use.

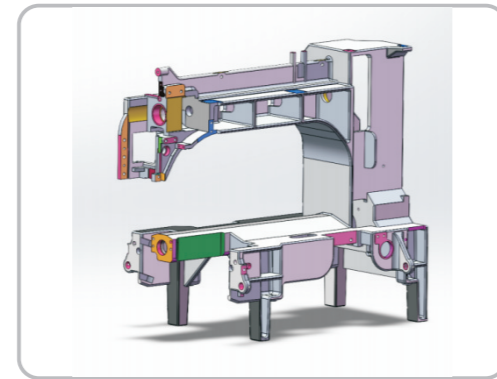
Original Technology Brings Better
Machine Performance



■ 内嵌式独立绕底线装置 | Built-in Independent Bobbin Winding Device

绕底线装置内嵌式设计，优化设备结构，减少停机绕底线的耗时，并精准控制线的张力需求。

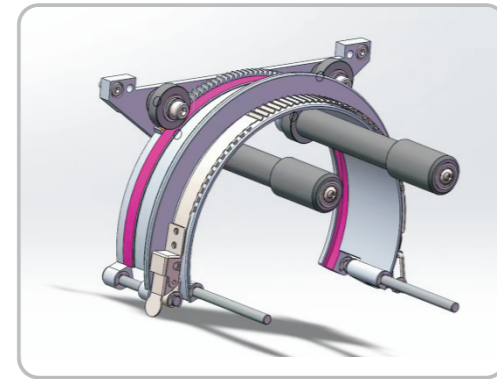
The bobbin thread winding device has built-in independent design, optimizing the equipment structure, reducing the time consumption of stopping the machine to wind the bobbin thread, and accurately controlling the tension requirements of the thread.



■ 一体成型机身 | One-piece Formed Frame

机身整体一体成型，提升设备刚性与稳定性，减少高速运行时的振动，保障长期作业精度。

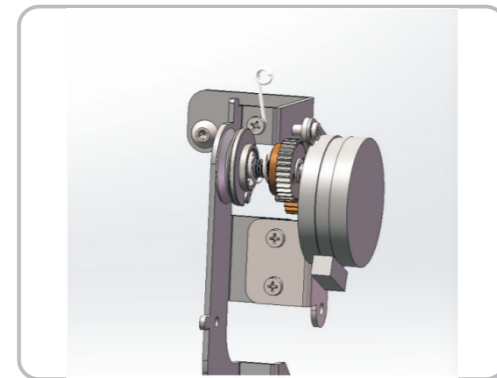
The one-piece integrated body design enhances the rigidity and stability of the equipment, reduces vibration during high-speed operation, and ensures long-term operation precision.



■ 一体式齿条形槽驱动 | Integrated Rack-type Groove Drive

齿条形槽一体化驱动结构，传动精准、响应快，确保绣框移动的平顺性，提升刺绣细腻度。

The integrated rack-type groove drive structure features precise transmission and fast response, ensuring the smooth movement of the embroidery frame and improving the delicacy of embroidery.



■ 自动线张力系统 | Automatic Thread Tension System

动态实时调节绣线张力，适配不同粗细、材质的绣线，避免跳跃长针距因线张力拉动造成绣品走位，保障刺绣品质一致性。

Dynamically adjusts the thread tension in real time, adapts to threads of different thicknesses and materials, avoids embroidery misalignment caused by thread tension pulling during long jump stitches, and ensures consistent embroidery quality.

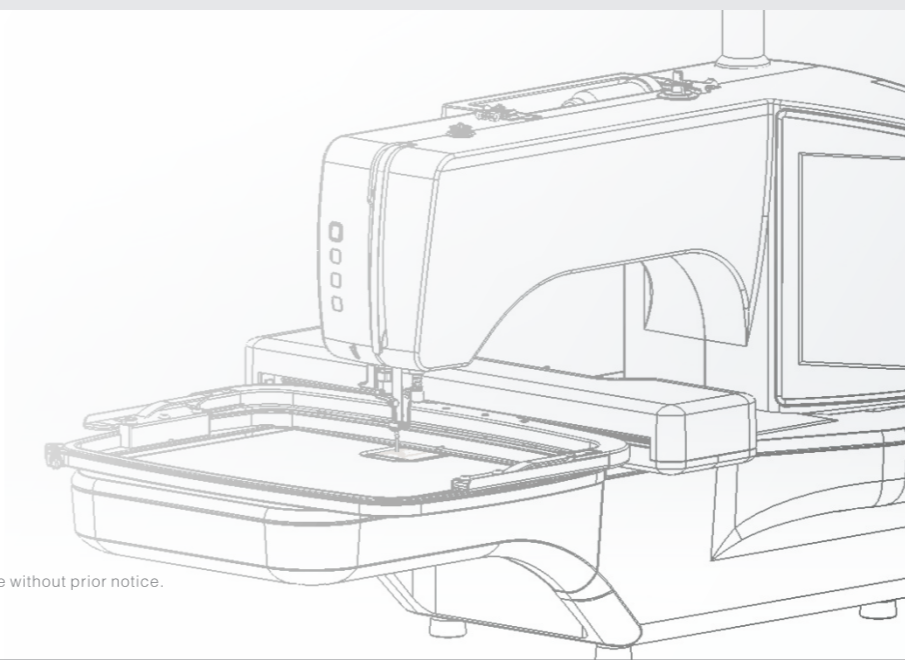
HALO-1
Single-Needle Embroidery Machine



Craft Your World With
Warmth & Precision



HALO-1
Single-Needle Embroidery Machine



Single-Needle Embroidery Machine



1 核心性能 Core Performance

- 7英寸高清触控屏 | 1024×600分辨率，操作直观
 - 主轴最高转速1000 RPM | 高密度刺绣依然稳定流畅
 - 花样容量4亿针 | 单花样最大5000万针，复杂设计一气呵成
 - 解析精度0.01mm | 细节表现细腻，轮廓清晰精准
- 7-inch touchscreen | 1024×600 resolution, intuitive operation
 - Spindle speed up to 1000 RPM | stable and smooth even with high-density embroidery
 - Pattern capacity : 400 million stitches | supports single patterns up to 50 million stitches
 - Resolution: 0.01mm | fine detail reproduction and sharp outlines

2 智能控制与扩展 Smart Control & Functionality

- 支持WiFi传输、云平台连接、网络授时 | 绣作管理更智能
 - 20+种语言界面 | 适应全球多元化生产环境
 - 智能底线预估 | 实时监测用线量，减少停机换线
 - 实时运动曲线优化 | 刺绣过程中亦可灵活调整
 - 支持涂鸦绣、字母绣 | 创意绣法轻松实现
 - 1秒快速软件升级 | 车规级软件架构，低代码图形化编程
- 20+ language interfaces | adapts to global production environments
 - Intelligent bobbin thread estimation | monitors usage to reduce downtime
 - Real-time motion curve optimization | allows adjustments during embroidery
 - Supports Graffiti and lettering embroidery | creative designs made easy
 - 1-second software update | automotive-grade software with low-code graphical programming
 - Supports Wi-Fi transfer, cloud connection, and network time sync | intelligent embroidery management

3 供电与可靠性 Power & Reliability

- 24V安全供电 | 高低压分离设计，平均功耗仅60W
 - 异常断电绣框记忆恢复 | 保障绣作连续不中断
- 24V safe power supply | high-low voltage separation, average power only 60W
 - Power-Loss Recovery with frame memory | ensures uninterrupted embroidery

4 硬件保障 Hardware Assurance

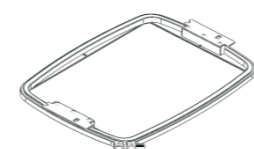
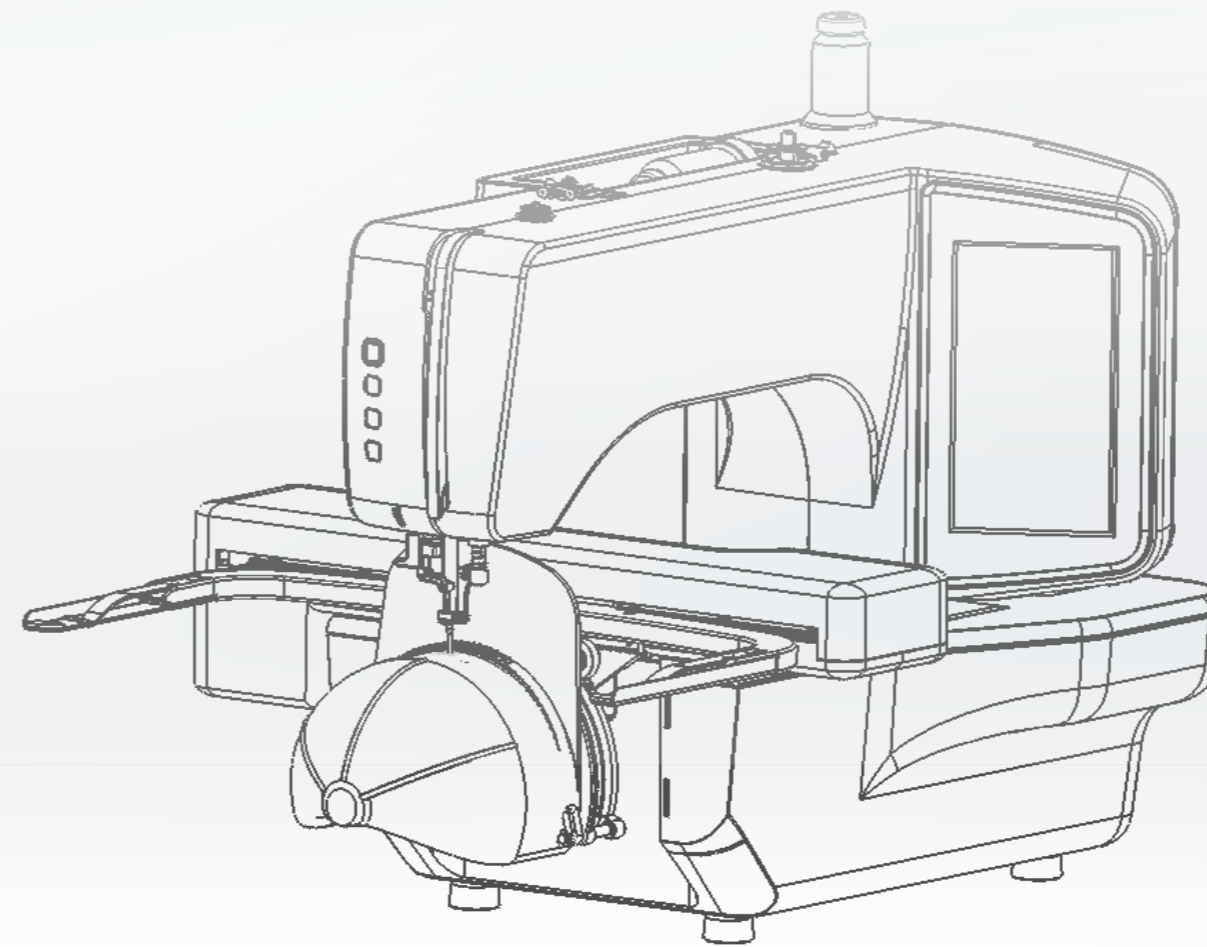
- 车规级四核处理器 | 主频1.4GHz，耐高温、响应快、控制准
 - 支持远程调试与升级 | 维护便捷，持续升级体验
- Automotive-grade quad-core processor | 1.4GHz, heat-resistant, fast response, precise control
 - Supports remote debugging and upgrades | convenient maintenance and continuous improvement

型号(Model)	刺绣面积(Emb.Space)	针数(Needle)	净重/毛重(N.W/G.W)	包装尺寸(L*W*H)
HALO-1	200x300mm	1	16.5kgs./20.5kgs.	680x520x470mm

HALO-1

Hat-capable Household Embroidery Machine

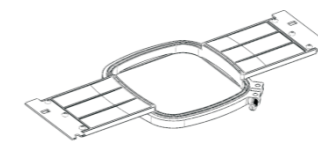
能做帽子的家用绣花机



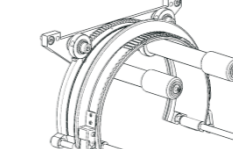
300mm×200mm



180mm×130mm

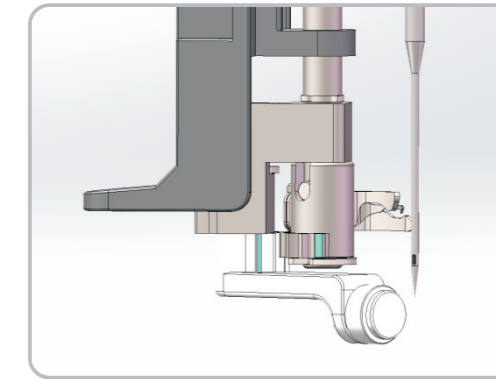


100mm×100mm

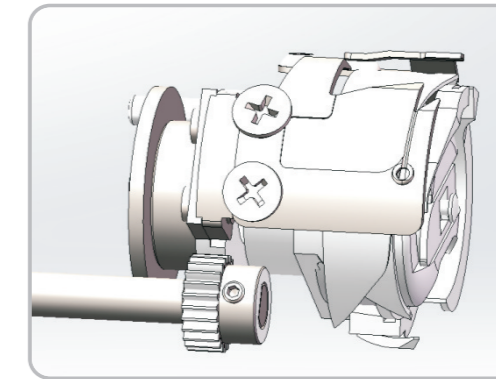


cap device(45mm×70mm)

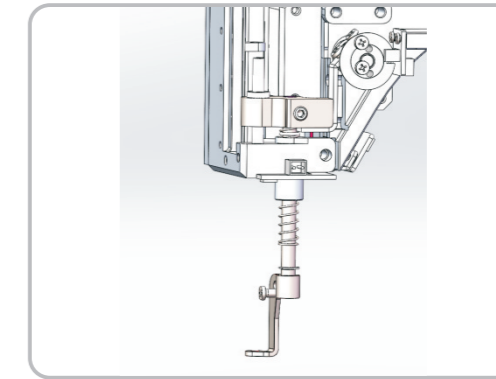
单针机技术亮点 Technical highlights of single needle machine



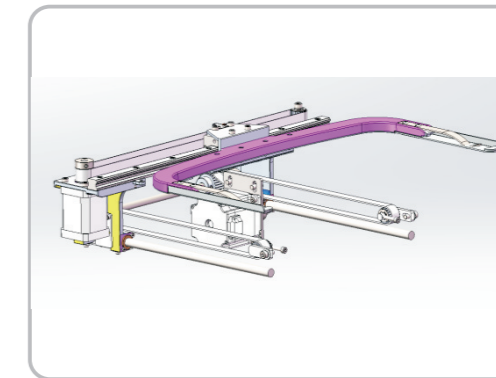
- 自动穿线装置 | Automatic Threading Device
- 简化人工穿线操作，减少穿线耗时，提升刺绣作业效率，适配新手。
 Reduces threading time, improves embroidery efficiency, friendly for beginners.



- 步进电机剪线 | Stepping Motor Thread Trimming
- 由步进电机精准控制剪线动作，刺绣完成/换色时自动剪线。
 The thread trimming action is precisely controlled by a stepping motor, which automatically trims the thread when embroidery is completed or color is changed.



- 电子独立压脚 | Electronic Independent Presser Foot
- 电子控压，可根据面料厚度独立调节压力，适配薄料、厚料等不同材质刺绣，防止面料移位。
 The pressure can be adjusted independently according to the fabric thickness, suitable for different materials such as thin and thick fabrics, and prevents fabric displacement.



- 高刚性XY驱动 | High Rigidity XY Drive
- 高刚性结构设计，保障绣框XY轴移动的稳定性与精准度，避免刺绣走位，提升图案精度。
 High-rigidity structural design ensures the stability and accuracy of the embroidery frame's XY-axis movement, avoids embroidery misalignment, and improves pattern precision.