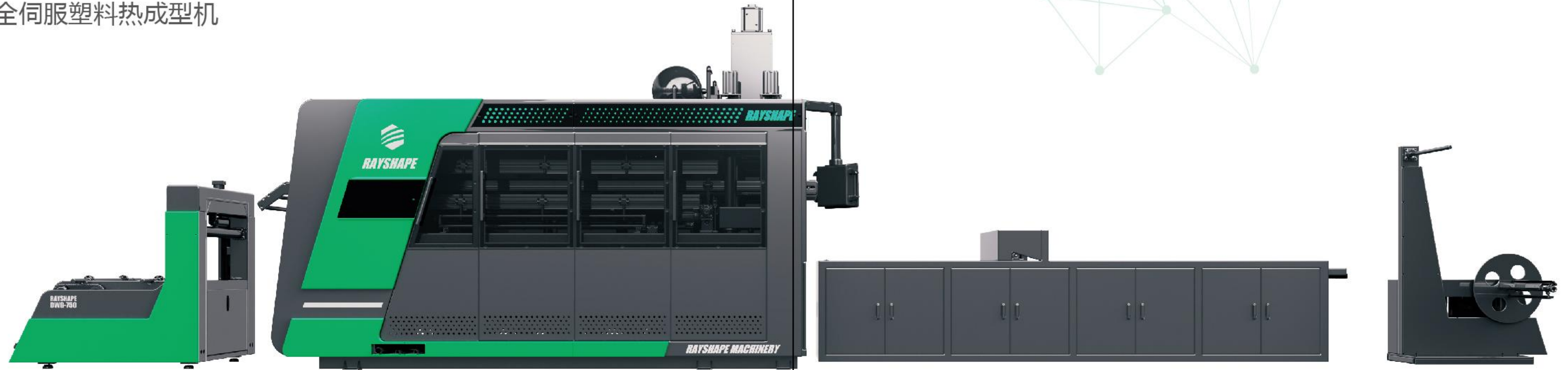


RSC-800-500

All Servo Thermoforming Machine

全伺服塑料热成型机



INTRODUCTION

设备简介

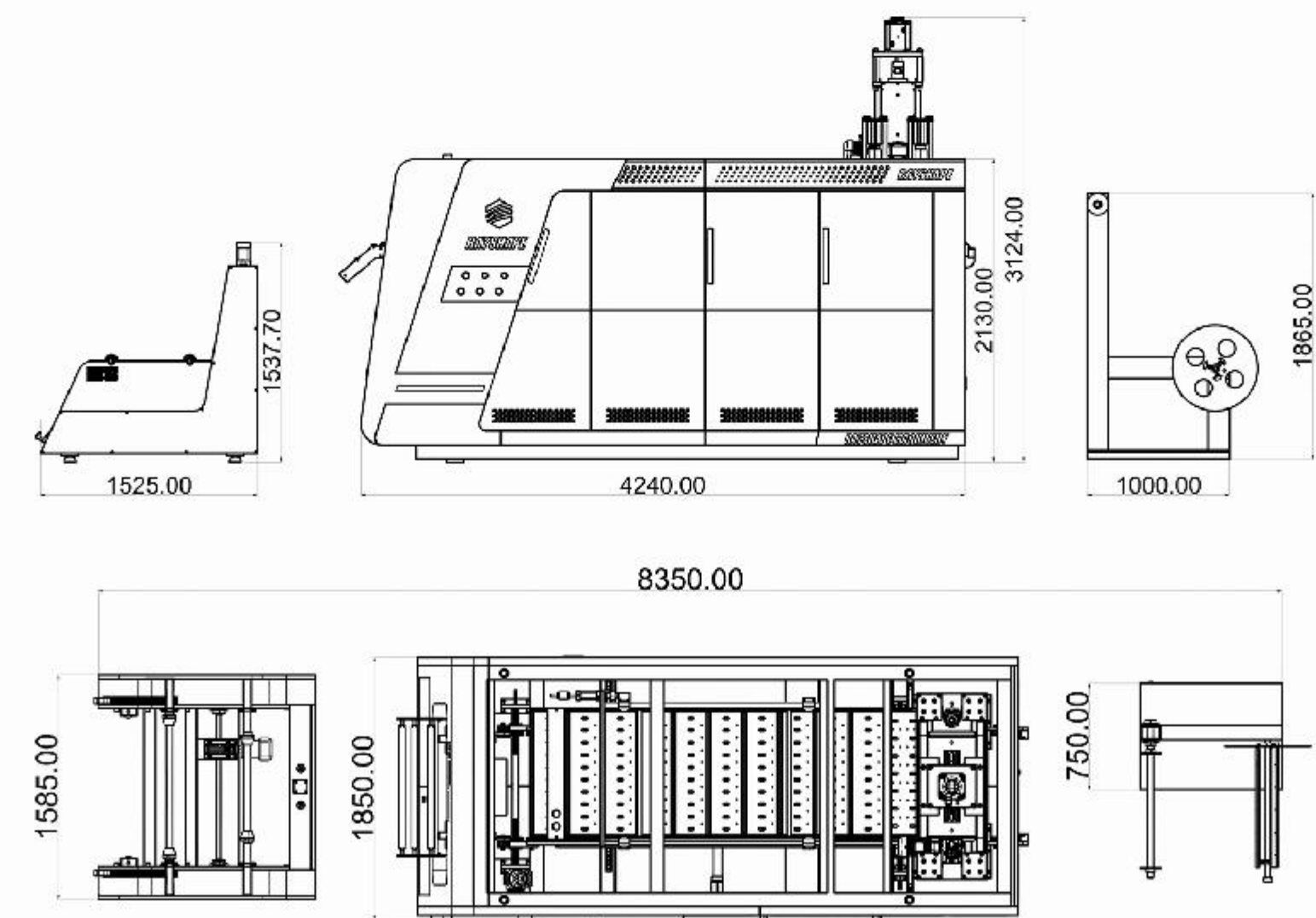
RS-800-500 is a new generation full servo plastic thermoforming machine. It uses internationally advanced plastic sheet forming technology. It is a plastic sheet forming equipment that integrates mechanical, pneumatic and electrical integrated design. It can automatically complete all actions such as loading, feeding, heating, forming and cutting. Compared with hydraulic drive, this machine has more stable forming, faster speed and cleaner production.

RSC-800-500全新一代全伺服塑料热成型机，运用国际先进塑料片材成型工艺技术，是集机械、气动、电气一体化设计的塑料片材成型设备，全自动完成上料、送料、加热、成型、裁切等所有动作。相比液压驱动，本机成型更稳定、速度更快、生产更清洁。



MACHINE STRUCTURE

机械构造



FEATURES AND ADVANTAGES

特征与优势

- High degree of standardization, complete functions, safe, efficient, energy-saving and hygienic.
- It integrates mechanical, pneumatic and electrical integration, and is controlled by microcomputer and programmable controller (PLC).
- Easy-to-operate human-machine interface, and has the function of remote connection.
- Electric lifting, double-station large-diameter unwinding, allowing a single person to load coils weighing up to 600KG.
- Servo feeding, stepless adjustment of sheet length, high speed, accuracy and stability.
- The upper and lower electric heating furnaces are used for 6-7 heating stages and protection to reduce the impact of air convection on temperature, ensuring stable product molding. It only takes 3 minutes to heat from 0 to 400 degrees, improving production efficiency. The electric heating furnace can be automatically removed.
- The quick mold change system can conveniently, quickly, accurately and safely change molds, reduce machine downtime, reduce labor waste, and improve production efficiency.
- The mold opening and closing by servo motor, with high precision, low wear, fast speed and low noise. Each station is supported by four columns, combined with a five-point structural connecting rod, which has good stability.
- Positive pressure forming ensures uniform thickness, full shapes, and sharp corners.
- The chain frame features a fast cooling and wear-resistant design.
- The cup blowing system offers adjustable blowing angle and air volume.
- A servo motor chain drive automatically extends the track to prevent sheet sagging, ensuring stable, precise, and smooth sheet feeding.
- Combined with the edge material winding device, the entire production process is clean, without burrs and waste.
- The design of the electrical cabinet is simple and refreshing, simplifying the machine assembly and wiring installation process.

- 标准化程度高，操作简单、性能可靠、低噪音、高品质。
- 集机械、气动、电气一体化，采用微电脑与可编程控制器（PLC）控制。
- 易于操作的人机界面，并具备远程连接的功能。
- 电动抬料，双工位大直径放卷，允许单人上料重达600KG的卷材。
- 采用伺服送料，片材长度无级调整，高速准确稳定。
- 采用上、下电热炉6-7段加热并做防护，减少空气对流对温度的影响，使得产品成型稳定，从0-400度只需3分钟，提高生产效率。电热炉可自动移出装置。
- 快速换模系统，可方便快捷精准安全换模，减少机器停机时间，减少人工浪费，提高生产效益。
- 开模和合模由伺服电机控制，精度高、磨损低、速度快、低噪音。每个工位有四根立柱支撑，结合五支点结构连杆，稳定性好。
- 正压成型，厚薄均匀、成型饱满、棱角清晰。
- 链条架采用降温快，耐磨设计。
- 吹杯系统可调节吹杯角度和风量。
- 伺服电机链条传动，自动伸张轨道防止片材下垂，送片稳定、精准、平滑。
- 结合边料收卷装置，整个生产过程洁净，无毛刺、无废料。
- 电柜优化设计，简化机器组装以及接线安装流程。

CONFIGURATION LIST

配置清单

Motor Reducer 电机减速机	Guangdong 广东	Temperature Module 温度模块	Taiwan Delta 台湾台达
Molding Solenoid valve 成型电磁阀	Japan SMC 日本SMC	Heating Brick 加热瓦	Jiangsu Tianbao 江苏天宝
Solenoid Valve 电磁阀	Japan SMC 日本SMC	Contactor 接触器	America Eaton 美国伊顿电气
Cylinder 气缸	Taiwan AirTac 台湾亚德客	Low Voltage Apparatus 低压电器	America Eaton 美国伊顿电气
Servo Motor 伺服电机	China Inovance 中国汇川	Other Electrical Appliances 其他电器	Germany Phoenix 德国菲尼克斯

SPECIFICAITON

技术参数

Sheet Materials 片材材质	PP/PS/PET/PLA/PE	Air Consumption 耗气量	4m ³ /min 0.5-0.8bar
Sheet Thickness 片材厚度	0.2-2.5mm	Weight 重量	7500kg
Forming Area 成型面积	780*480mm	Total Installed Power 总装机功率	150KW
Width Of Sheet 片材宽度	400-850mm	Heating Power 加热功率	122kw
Max Speed 最大速度	35模/分钟 35moulds/min	Feeding Motor 送料电机	4.4kw
The Longest Knife 最长刀线	12m	Control Forming Plug Motor Power 拉伸电机功率	5.5kw
Dimension 尺寸	4500*2000*2600mm	Winding Waste Of Edge Sheet Motor Power 卷边电机功率	0.4kw
Forming clamping force 成型合模力	1100kn	Forming Motor 成型电机	15kw
Max. Forming Depth 最大成型深度	≤180mm 吹杯 ≤180mm by blowing	Machine Travel 机型行程	≤220mm

PRODUCTS RANGE

产品范围

It is suitable for processing different materials, such as A-PET, R-PET, C-PET, BOPS, HIPS, PP, PLA, PVC and barrier materials, and is suitable for the production of various beverage cups, coffee cups, milk cups, water cups, bowls, boxes and other plastic products.

适用于处理不同的材料，如 A-PET、R-PET、C-PET、BOPS、HIPS、PP、PLA、PVC 和阻隔材料，适合生产各种饮料杯、咖啡杯、牛奶杯、水杯、碗、盒子等塑料制品。

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For more information, please consult the manufacturer.

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