

复合机

Laminating Machine



应用领域

用于制衣、绣花、玩具、箱包、鞋材、汽车内饰等行业材料整卷多层材料复合。

性能特点

- 独立式PID温度控制器，使上下前后温控区域温度精准控制；
- 放料与进料区域采用变频无张力放料与气轴磁粉恒张力放料，以实现不同材料对张力的贴合需求。
- 复合机冷却区域带伺服电机恒张力收卷装置，双伺服电机恒张力收卷，以应对两种材料同时收卷，也可以上下切换收卷。
- 复合机的热压功能外还加装冷压功能，以应对特种材料冷却冷压定型，加强对材料贴合的牢固度，防止收卷时产品余热对贴合材料牢固度、色差的影响。
- 自动皮带修正装置，确保上下皮带不偏离。

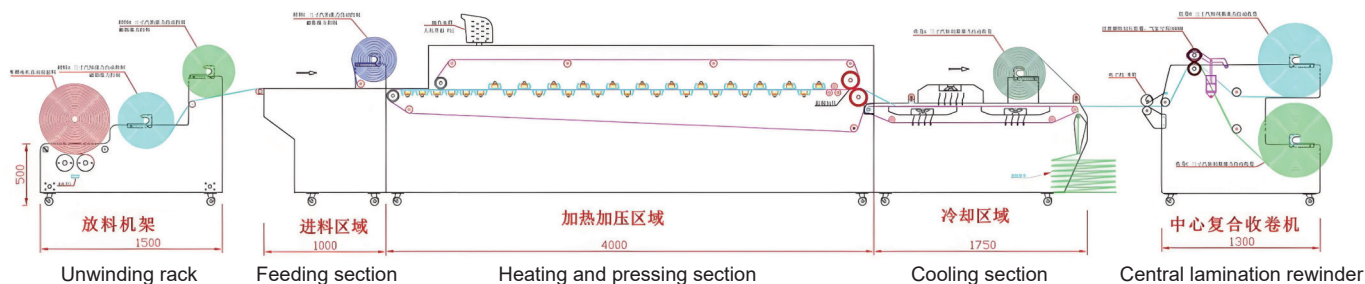
Application

Used for multi-layer roll-to-roll lamination of materials in the garment, embroidery, toy, luggage, footwear, and automotive interior industries.

Features

- Independent PID temperature controllers provide precise temperature control for each upper/lower and front/rear heating zone.
- Unwinding and infeed sections adopt variable-frequency, zero-tension unwinding and air-shaft magnetic-powder constant-tension unwinding to meet different materials' tension requirements during lamination.
- The cooling section is equipped with servo-driven constant-tension winding; dual servo motors support simultaneous winding of two materials, or independent upper/lower switching for separate winding.
- In addition to hot pressing, the machine is equipped with a cold-pressing function for special materials, ensuring proper cooling and shaping, improving bonding strength, and preventing residual heat during rewinding from affecting adhesion or causing color variation.
- Automatic belt tracking system keeps upper and lower belts running straight without deviation.

占地示意图 Equipment Floor Plan Schematic



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参数说明 Parameters

加热加压区域 (Heating and pressing section):

型号: Model:	GOA-FHJ-1800HLT/2	GOA-FHJ-1800HLT/3	GOA-FHJ-1800HLT/4
粘合宽度: Bonding width:	0-1800mm		
粘合速度: Bonding Speed:	0-20M/min		
粘合压力: Bonding Pressure:	0-5kg/cm ²		
加压方式: Pressurizing Mode:	单段气缸加压 Single-stage cylinder pressurization		
胶棍直径: Rubber Roller Diameter:	∅160mm		
加热区域尺寸: Heating Area Dimensions:	2000mm	3000mm	4000mm
电机功率: Motor Power:	0.4KW+0.025KW×2	0.75KW+0.025KW×2	0.75KW+0.025KW×2
电热功率: Electric Heating Power:	48KW	72KW	96KW
使用温度: Operating Temperature:	常温(Room Temperature): -200°C		
电压: Voltage:	380V/3P		
净重: Net Weight:	1560Kg	2100Kg	2600Kg
机器尺寸(长×宽×高): Machine Dimensions (L×W×H):	4750mm×2400mm×1600mm	5750mm×2400mm×1600mm	6750mm×2400mm×1600mm

中心复合收卷机 (Central lamination):

面料宽度 Fabric width	最大收卷直径 Maximum winding Diameter	辅助牵引张力 Auxiliary Traction Tension	收卷张力 Winding Tension	汽轴规格 Steam Shaft Specifications	电压 Voltage	电机功率 Motor Power	净重 Net weight	机器尺寸(长×宽×高) Machine Dimensions (L×W×H)
0-1800mm	∅600mm	0-250N/m ²	0-600N/m ²	∅76mm	220V	5.1KW	675KG	2350mm×1300mm×1450mm

放料机架 (Unwinding rack):

面料宽度 Fabric width	放料直径 Unwinding Diameter	放料张力 Unwinding Tension	汽轴规格 Steam Shaft Specifications	电压 Voltage	整机功率 Total Power	净重 Net weight	机器尺寸(长×宽×高) Machine Dimensions (L×W×H)
0-1800mm	0-∅580mm	0-25N/m ²	∅76mm	220V	0.5KW	460KG	2270mm×1500mm×1150mm

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