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Ultrasonic Quilting Machine

GOA-UQ

超声波绗缝机

GOA-UQ



Features

- Adopting frequency wideband tracking technology, the output frequency of the ultrasonic generator is always consistent with the frequency of the transducer, ensuring the quality of composite and embossing, greatly extending the service life of the ultrasonic generator and transducer device.
- Utilizing high-frequency ultrasonic vibration to recombine the molecules of two or more materials, achieving a composite effect without damaging the material (with a minimum of 30% chemical fiber composition. Pure cotton and sponges cannot react).
- The quilting width ranges from the minimum to 3200mm, and multiple layers of materials with various patterns can be made by simply replacing the roller. Firm welding, clear embossing, and strong three-dimensional feeling.
- Deviation correction function, the upper and lower materials are aligned during stitching, low processing loss, flat product without gaps or wrinkles.
- Automatic waste pulling device on both sides for convenient waste collection.
- High production efficiency, 3-5 times higher than needle and thread quilting machines.
- After quilting, it can be connected to a cutting machine to cut the finished product into sections, or it can be connected to a fabric rolling device to roll the fabric into rolls.

Application

Mattress, bedspread, pillowcase, down jacket, summer quilt, windshield curtain, electric blanket, tent.

机器特性

- 采用频率宽频跟踪技术，使超声波发生器的输出频率始终与换能器频率一致，从而确保复合、压花的质量，大大延长了超声波发生器，换能器装置的寿命；
- 利用超声波高频振动，将两个或多个材料的分子重组，在不破坏材料的基础上，实现复合的效果（最低不少于30%的化纤成分。纯棉，海绵产生不了反应）；
- 缝合宽度由最小值到3200mm不等，只需更换花辊，便可做出各种花形的迭层材料。焊接牢固，压纹清晰，立体感强；
- 具有纠偏功能，使缝合时上下物料保持对齐，加工损耗低，产品平整无缝隙、褶皱；
- 边切装置可手动随意调整位置，方便进行布料修边裁切；
- 两边自动拉废料装置，方便废料收集处理；
- 生产效率高，是针线绗缝机的3~5倍；
- 绗缝完成后可与裁切机相连将成品切成段，也可与卷布装置相连，卷成布卷。

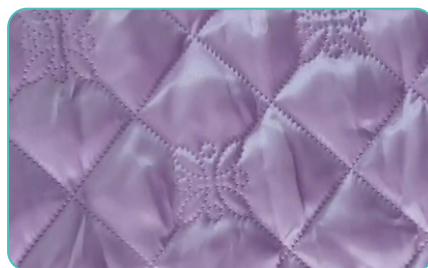
适用范围

床垫、床罩、枕套、羽绒服、夏凉被、挡风帘、电热毯、帐篷。

Parameters 机器参数

Fabric width 面料幅宽	2400mm	2600mm	2900mm	3000mm	3200mm
Generator power 发生器功率	600-1500W× 16组sets	600-1500W× 17组sets	600-1500W× 19组sets	600-1500W× 20组sets	600-1500W× 21组sets
Operating Frequency 工作频率	20KHZ				
Speed 工作速度	500-1500m/H				
Continuous working hours 连续工作时间	≤24hours ≤24小时				
Effective length of roller 花辊有效长度	2492mm	2645mm	2945mm	3045mm	3257mm
Diameter of roller 花辊直径	Ø176mm (Different patterns,sizes vary) Ø176mm (不同花型尺寸有所变化)				
Total power 电机总功率	3kW	4kW	5.5kW	5.5kW	5.5kW
Neight weight 净重	3200kg	3500kg	4000kg	4500kg	4900kg
Power 电源	3P 380V,三相四线Three phase, four wires 50/60HZ; 启动电流Start current18KW, 正常工作 Normal working7-10KW				

Sample Display 样品展示



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