

AH27

工业缝纫机简易伺服控制系统 **新**

Eco-servo for Industrial Sewing machine

用于驱动控制各种带有停针位控制和伺服控制要求的工业缝纫机。

It is fit for driving all kinds of industrial sewing machine with needle positioning and servo technique function demands.

产品简介 Product Brief:

AH27 简易伺服控制系统是鲍麦克斯A2系列的最新产品，配套全新设计的各种伺服电机可以驱动控制行业内的各种工业缝纫机，具有节能、高效、无极调速、停针控制精准等特点，噪音低、振动小、效率高，是离合马达的理想高端替代品。

AH27 is a new eco-tech diver of Powermax A2 serial products for industrial sewing machine. Its' new designed motor can be fit for many kinds of industrial sewing machine. It has many features like: servo technique and power saving, high efficiency, stepless speed regulating and needle positioning accuracy etc. Best use it to substitute clutch motor.



- 无极调速
Stepless speed regulating
- 停针上下
Up and down needle positioning
- 气动拾压脚
Pneumatic pressure output
- 气动吸风
Pneumatic Suction

嵌入式操作面板 Embed operation panel in the controller:



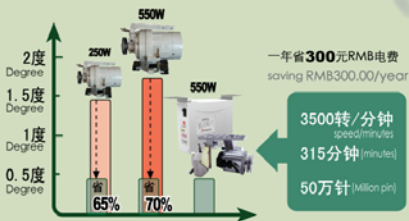
- 七段LED数码显示;
- 上下停针位置设定和软启动功能设置;
- 控制参数设定。
- Seven LED digital display.
- Up and down needle positioning and soft start function one key setting.
- Control parameters setting.

产品特点 Product Features:

- 控制箱设计轻便小巧，可与机头包装箱一起包装运输;
- 硬件可靠性继承设计，抗干扰优化设计;
- 电机输出扭力进一步加大，低速输出力矩参数可调;
- 增加5V并联LED照明灯接口;
- 进一步提高了起缝速度和系统的控制灵敏度;
- 采用防呆设计的对外接口直接外露插接;
- The control box design is very small and exquisite, can be packaged with machine box.
- The hardware is designed by inheritance product, anti-interference design is more optimized.
- Motor control torque is enhanced, more powerful output can be set by parameters.
- 5V parallel LED lighten interface.
- Further quick sewing start speed and system control sensitivity.
- Adaptive foolproof interface design.



能耗对比 Energy consumption comparison



一年省300元RMB电费
saving RMB300.00/year

3500转/分钟
speed/minutes

315分钟
minutes

50万针
million pin

- 1 省电 Power saving:**
采用微电脑控制，在工作待机状态下不耗电；
Controlled by micro-computer, no power lost during standby working state.
输出转矩自动跟随负载变化（薄布料小出力，厚布料大出力）；
Output torque changes automatically with the load
(thin fabric low torque, thick fabric high torque)
- 2 省力 Labour saving:**
采用霍尔传感器采集脚踏动作信号，极大的减轻操作工人的脚踏劳动强度；
Adapt hall sensor to collect pedal operation signal, highly reduced

- 3 省心 Care saving:**
系统一旦安装调试完毕，无需费心维护即可常年工作；
Once the system installed and adjusted, can be work perennial without hard maintenance.
无易损件和磨损件；
No wear parts and wearout parts.
系统运行噪音低、温升低、振动小。
Low noise, low temperature and small vibration while running.

the worker' s labor intensity .
伺服电机的转速控制精准，高中低速可随心设置和控制；
The servo motor' s speed control is very precision, all scope speed can be freely set and control.
上下停针位置控制，减少人工抬压脚和拨手轮等多余操作动作，可极大的提高劳动效率；
Up and down needle position control, reducing the manual presser foot lifting and pushing handwheel such redundant action, can highly improve the labor' s efficiency.

AHU27-55

适用范围：适用于需要普通扭力驱动的，各种皮带传动单停针或无停针伺服控制工业缝纫设备。

Adaptive for all kinds of industrial sewing machines' servo driving with only needle positioning, which are all need pulley-driven.

控制箱编码规则 Controller box Model Code:

AHU27-55-JUK-XXXXX
机头识别码
Machine code
U: 皮带传动
U: Belt Driven.

基本参数 Basic parameters

功率(最大转速/低速最大转矩)	电压范围	皮带轮尺寸 mm	毛重(控制箱+电机) Kg	包装尺寸
Power (Max Speed/ Max Torque at low Speed)	Power Voltage range	Pulley Size Available mm	Gross weight (control box + Motor) Kg	Packing Dimension
550W (5000RPM/3Nm)	AC 220V ± 20%	66	7.0	380*350*275mm

ASU27-75

适用范围：适用于需要特殊大扭力驱动的，各种皮带传动单停针或无停针伺服控制工业缝纫设备。

Adaptive for all kinds of industrial sewing machines' servo driving with only needle positioning, which are all heavy duty machine and need belt-driven.

控制箱编码规则 Controller box Model Code:

ASU27-70-JUK-XXXXX
机头识别码
Machine code
电机功率 Motor Power
70: 700W; 75: 750W
U: 皮带传动; U: Belt Driven.

基本参数 Basic parameters

功率(最大转速/低速最大转矩)	电压范围	皮带轮尺寸 mm	毛重(控制箱+电机) Kg	包装尺寸
Power (Max Speed/ Max Torque at low Speed)	Power Voltage range	Pulley Size Available mm	Gross weight (control box + Motor) Kg	Packing Dimension
700W (3500RPM/6Nm) 750W (3000RPM/8Nm)	AC 220V ± 20%	66	8	435*345*270mm