GREWIN INDUSTRIAL GROUP CO.,LTD.
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Fully Automatic Winding Machine

Technical Specifications

GREWIN INDUSTRIAL GROUP CO.,LTD.
Add: The fouth floor A-A3 zone aviation business area,Dongli Distr,Tianjin,China.

●Product Characteristics

•The main chassis of this machine is made of fine materials to minimize assembly errors caused by assembly as much as possible, and ensure the accuracy of relative positions and the firmness of long-term use.

•The control part adopts the most advanced multi-axis motion control system with excellent performances such as straight line, circular arc interpolation, spiral encirclement, etc. In addition to the basic steps of the full-automatic machine such as automatic feeding. automatic thread winding head, automatic thread winding, precise thread arrangement, automatic thread winding tail, automatic thread cutting, automatic blanking and the like, It can also realize various difficult steps such as right-angle wire-out, line-pressing into slot and the like.

•The man-machine interface is simple and easy to understand, easy to operate, quick to respond, and has the function of storing passwords to prevent non-

related personnel from modifying the program.

•AC servo motor drives each moving part, with high speed, accurate positioning and long service life.

•Imported brands are used for important parts.

•The guide needle rod can be rotated 0 degrees or 90 degrees (optional) to realize difficult operations such as winding, threading and cutting.

●Adapting Range

•Inductance coil

•Relay coil

•LCD backlight source high and low voltage coil

•ignition high and low voltage coil

•Sensor coil

•Solenoid valve coil

•Automotive injector coil

•Automotive ABS, power charger coil

•Automotive instrument coil

•Automobile brake coil

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- Switching power supply transformer
- EE type transformer
- EI type transformer
- Stepper motor coil
- Other parallel winding coils

●Product pictures

Pictures are for reference only, and end products vary depending on customer needs.

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●Optional appliances:

•Tension device

•Twisting machine

•Right angle pressing device

•Simple cutting knife

•Loose wire device

•Double wire size winding

•Automatic load and unload bobbin device

•Automatic taping device

●Technical Parameters

Number of winding spindles	16
Spindle speed	0-10000rpm
Adapt to wire diameter	0.03-0.6 mm(models with different axle numbers and tensioners of different specifications are required)
Spool spacing	60 mm
Maximum bobbin outside	43 mm

diameter	
Spindle fixture assembly inside diameter	Standard: 14mm
Guide pin movement range	X:80 Y:100 Z:70 mm
winding servo power	1.5KW
X\ Y\ Z axis servo power	400W\400W\750W
Support tape width	5-30mm (pressure roller type) 5-15mm(swing arm type)
Air pressure	0.4-0.65Mpa
Power supply voltage	AC220V±10% 50HZ
The whole machine power	2.5KW
Machine size	Length: 1100mm Width:

	1000mm Height: 1400mm
Machine weight	720kg

●Description of Major Components

wire winding servo motor	Panasonic Japan
X axis servo motor	Innovance servo
Y axis servo motor	Innovance servo
Z axis servo motor	Innovance servo
The control system	Weiding High Precision Six-Axis Motion Controller
The man- machine interface	7-inch Weinview touch screen
Lead screw guide rail	Taiwan TBI, Class C accuracy

Timing belt	Japan Bando
bearing	Japan NSK
Sensor	Japan Omron
Tension device	Special high precision magnetic tensioner
main shaft cable box	Cast iron box, independently developed
Workbenchb oard	Cast iron bedplate, self-developed
Other mechanical parts	Independent research and development

●Packaging

•Packing method:wooden case

•Packing size:Length:1000 Width:1100 Height:1400 mm

•Packing weight:780kg