KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.
TEL/WhatsApp: +86 176226054
Mail: admin@transformercoilwindingmachine.com
Web:www.transformercoilwindingmachine

GWP12-81 Full auto 12 spindles bobbin transformer coil winding machine



Specifications：

Number of winding spindles	12
Spindle speed	10000rpm
Wire diameter	0.03-0.45mm (Need to choose different specifications of tensioner)
Spindle spacing	81mm

Maximum bobbin outer diameter	40mm
Spindle quick fixture assembly inner diameter	Standard：10mm Special ： 12mm
Guide pin moving range	X:80 Y:100 Z:70 mm
Winding servo motor power	1.5KW
X\Y\Z axis servo power	400W\400W\750W
Pressure	0.4-0.65Mpa
Supply voltage	AC220V±10% 50HZ
Total power	3.5KW
Machine size	Length：1100mm Width：1000mm Height：1400mm
Machine weight	720Kg

Description of main parts

Winding main motor	Servo motor
X axis	Servo motor
Y axis	Servo motor
Z axis	Servo motor
Control System	High-precision six-axis motion controller
HMI	7inch touch screen
Screw guide rail	Taiwan TBI, C-level accuracy
Timing belt	Japan, Eastern
Bearings	Japan NSK
sensor	Japan Omron
Tensioner	Special high-precision magnetic tensioner
Spindle cable box	Cast iron box, independently developed
Workbench	Cast iron tabletop, independently developed
Other mechanical parts	Independent research and development

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Features:

The main chassis of this machine is finely processed with integral materials to minimize the assembly error caused by assembly, ensure the accuracy of the relative position of each part and the firmness of long-term use.

◆ The control part adopts the most advanced multi-axis motion control system, with excellent performance such as linear and circular interpolation, spiral winding, etc. In addition to easily realizing the basic steps of fully automatic machines such as automatic feeding, automatic winding head, automatic winding, precision wiring, automatic winding tail, automatic wire cutting, automatic unloading, etc., it can also realize various difficult steps such as right-angle wire outlet and wire pressing into the groove.

◆ The human-machine interface is simple and easy to understand, easy to operate, quick to respond, and has a password storage function to prevent non-related personnel from modifying the program.

◆ All moving parts are driven by AC Panasonic servo motors with high speed, accurate positioning and long service life.

◆ All important components are imported brands.

◆ The guide needle rod can rotate 0 degrees, 90 degrees, 135 degrees (optional) to achieve difficult winding head, wire outlet and wire cutting.

Application scope

1.Inductor coil
2.Relay coil
3.LCD backlight high and low voltage coils
4.Ignition high and low voltage coil
5.Sensor coil
6.Solenoid valve coil
7.Car injector coil
8.Automobile ABS, charger coil
9.Automotive instrument coil
10.Auto brake coil
11.Switching power transformer
12.EE type transformer
13.EI type transformer
14.Stepper motor coil

15.Other parallel outer coils

Optional device:

1. Tensioner
2. Wire twisting machine
3. Right angle pressing device
4. Simple cutter
5. Wire loosening device

PACKAGING:

Packaging Material: Carton/Wooden case with foam inside.

1.General package(Paper carton or plastic bag): For small euipped parts for Eight Spindle Motor Coil Winding Machine

, Package it with form and pack paper to guarantee unbroken during the transport.

2.Wooden case package: For larger scale Eight Spindle Motor Coil Winding Machine ,we have special skilled

carpenter, who would make the proper wooden case with exact thickness,density,length. The up arrow ↑marked on the outer wooden case. Buffer material would be put in the wooden case to prevent crack and shock.Ensure that the GWP12-81 Fully Automatic 12-spindle Bobbin Transformer Coil Winding Machine will not be damaged during transportation.

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FACTORY:
Founded in 1993, KIOXIA LIGHT RING EUIPMENT GROUP CO.,LTD. has earned recognition as a prominent manufacturer specializing in high-performance winding machines, complemented by associated production equipment and professional technological support. A standout in its advanced product range is the GWP12-81 Full auto 12 spindles bobbin transformer coil winding machine—a state-of-the-art solution engineered with 12 spindles for simultaneous operation, delivering exceptional efficiency and precision in bobbin transformer coil production while embodying the company's commitment to excellence.

Beyond providing core equipment like the GWP12-81 Full auto 12 spindles bobbin transformer coil winding machine, KIOXIA LIGHT RING offers highly cost-effective comprehensive manufacturing solutions. These solutions cater to the production requirements of diverse wound components, including transformers, chokes, and more, ensuring reliable support for efficient, high-quality processing across various winding applications

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Add: Building G, No.209 Zhonghuan East Road, Free Trade Zone (Airport Economic Zone), Tianjin