



KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

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KXP-02N

Precision Wiring Self-Adhesive Coil Fully Automatic Winding Machine



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



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Design:

The equipment is designed as a floor-standing cabinet structure with a single workstation, left and right strokes of 180 mm, up and down strokes of 200 mm, and a maximum rotation diameter of 320 mm. It can realize unattended automatic winding, automatic cable arrangement, automatic heating and shaping, automatic thread trimming, automatic Remove from the mold.

Technical Parameters:

Spindle	1
Spindle speed	2000rpm
Winding width	X:180 Y:200
Winding diameter	320mm (Max)
Wire diameter	0.03-1.5mm (Upgradable)
Winding servo motor	400W
X\Y axis servo power	200W\200W
Gas source	0.4-0.65Mpa
Voltage	AC220V±10% 50HZ
Total power	2.15KW
Machine size	800mm*600mm*1650mm
Machine weight	165Kg

The main components are described in the following table:

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U-axis (rotation)	400W Mitsubishi servo motor	Bearing	Japan NSK
X axis (left and right)	200W Mitsubishi servo motor	Sensor	Japan Omron
Y Y axis (up and down)	200W Mitsubishi servo motor	Pneumatic components	Airtac or SMC
Control system	high-precision motion controller	Spindle cable box	Thickened box, independently developed
Human-machine interface	8072IP touch screen	Work table	Thickened table, independently developed
Screw guide	Taiwan Shangyin brand, C-level accuracy	Mechanical components	Independent research and development
Timing belt	Japan Bando	Bearing	Bearing: Japan NSK

Features:

◆ The main chassis of this machine is made of finely processed overall materials to minimize assembly caused by assembly.

error to ensure the accuracy of the relative position of each part and the stability of long-term use.

◆ The control part adopts the most advanced multi-axis motion control system, with linear and arc interpolation.

Excellent performance such as spiral wrapping, in addition to easily realizing automatic feeding, automatic thread winding, automatic winding.

Basic steps of fully automatic machines such as wire, precision wire arrangement, automatic wire winding, automatic wire trimming, automatic blanking, etc.

In addition to the sequence, various difficult procedures such as right-angle wire outlet and wire pressing into slot can also be realized.

◆ The human-machine interface is simple and easy to understand, easy to operate, quick to respond, and has a password storage function.

Prevent unauthorized persons from modifying the program.

◆ Each motion axis adopts Mitsubishi servo motor. Driven, high speed, precise positioning, long service life.

◆ Important components are all made of big brand products.

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◆ According to the requirements of the purchaser, the control card can store 250 product documents. The parameters of a product are stored in an independent product document. The saved documents can be stored in the control card, or The backup can be exported through a U disk. During delivery, our technical staff will edit the corresponding parameter documents based on all the products already provided. When using it, the buyer only needs to switch to the corresponding document according to the product model and replace the tooling fixture. for production and debugging.

Adaptation:

- ◆ Inductor coil
- ◆ Linear motor coil
- ◆ LCD backlight high and low voltage coils
- ◆ Ignition high and low voltage coil
- ◆ Sensor coil
- ◆ Solenoid valve coil
- ◆ Automotive injector coil
- ◆ Car ABS, charger coil
- ◆ Automobile instrument coil
- ◆ Automotive brake coil
- ◆ Voice coil
- ◆ Other flat wound self-adhesive coils

Delivery list

- ◆ One single-station winding host;
- ◆ 1 enameled wire cover (250*350*3mm);
- ◆ 1 set of winding jig;
- ◆ 1 set of commonly used hexagonal wrenches;
- ◆ 24--27 1 open-end wrench;

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◆ A copy of the instruction manual.

Packaging

◆ Packaging method: wooden box

◆ Packaging dimensions: Length:800mm Width: 600mm Height: 1500 mm

◆ Packaging weight: 200 kg

FACTORY:

Founded in 1993, KIOXIA LIGHT RING Industrial Group Co.,Ltd. has earned recognition as a well-known manufacturer specializing in high-performance winding machines, along with supporting production equipment and professional technological services. A standout in its precision-engineered product range is the KXP-02N Precision Wiring Self-Adhesive Coil Fully Automatic Winding Machine—a state-of-the-art solution designed for intricate self-adhesive coil production, integrating advanced precision wiring capabilities with full automation to ensure consistent quality, efficiency, and accuracy in manufacturing processes.

Beyond offering specialized equipment like the KXP-02N Precision Wiring Self-Adhesive Coil Fully Automatic Winding Machine, KIOXIA LIGHT RING provides highly cost-effective comprehensive manufacturing solutions. These solutions address the production needs of various wound components, including transformers, chokes, and more, delivering reliable support for efficient, high-quality processing across diverse winding applications.



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