KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

TEL/WhatsApp: +86 17622605414

Mail: admin@transformercoilwindingmachine.com

Web:www.transformercoilwindingmachine.com

KX-100GZ Fully Automatic Common Mode Winding Machine



KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

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

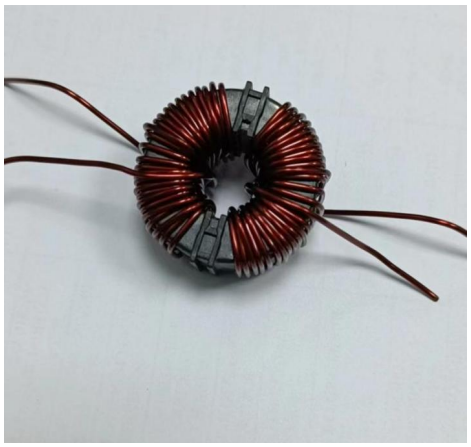
KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

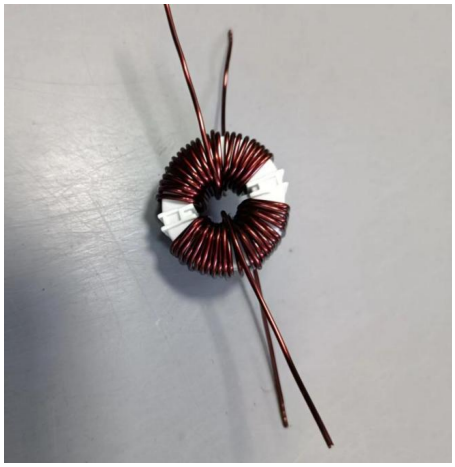
TEL/WhatsApp: +86 17622605414

Mail: admin@transformercoilwindingmachine.com

Web:www.transformercoilwindingmachine.com

Machine winding similar product effect





Machine Description

1. This machine is fully automatic and is mainly designed for the production of the following products:

① Suitable for traditional common mode inductors with single-strand or double-strand enameled copper wire windings.

② Maximum winding length within 12500mm, wire diameter between 0.6-2.5mm.

③ Compatible range of magnetic rings: outer diameter D18-45mm, magnetic ring height 4-25mm.

④ Machine production efficiency: related to factors such as the number of winding turns and wire diameter. Taking a magnetic ring T25*15*8 as an example, with a common mode inductor wire diameter of 1.2mm and 20 turns per side, the hourly production capacity is approximately 120 units.

2. Brief description of machine structure and characteristics:

① The machine uses a belt conveyor for feeding (or automatic centrifugal tray feeding). The magnetic rings are manually arranged on the belt conveyor (or directly poured onto the centrifugal tray), and the machine automatically feeds the magnetic rings; the copper wire spool is placed on the ground. The machine automatically feeds and cuts wire, automatically winds the wire, and automatically places the finished product into the finished product basket.

② The machine adopts a hook-type winding system. With a dual-station design, the magnetic ring winds the N1 winding at the first station, then moves to the second station to wind the N2 winding. Two products are wound simultaneously at two stations to improve production efficiency.

③ The machine intelligently monitors the automatic production process. In case of abnormalities, the machine will automatically stop and automatically indicate the cause of the fault.

④ The machine has a touchscreen interface, allowing for flexible single-step operation and modification of various parameter settings, such as the hook speed, the spacing between each turn of the winding, and the wire feeding length. It can store production parameters for multiple product models. Changeovers are convenient. For belt-type feeding, adjusting the flow channel width adapts to different product sizes; for the

winding and magnetic ring-clamping stations, simply changing the magnetic ring clamps is sufficient, without complex adjustments.

⑤ The machine's winding and wiring process utilizes mechanical clamps to hold the magnetic ring, driven by a servo motor to rotate semi-circularly along a gear ring. This allows for precise control of each turn of the winding, resulting in smooth, aesthetically pleasing, and non-crossing wires.

⑥ Other parameters: Power supply: 220V; Air supply: 0.5-0.6Mpa compressed air. Power consumption: approximately 1.8Kw; Weight: approximately 450KG; Machine dimensions: 1280x1050x1900 (L x W x H, mm).

Equipment Installation

1. After disassembling the machine, check for any binding straps on the rotating parts. If present, remove them before connecting the air and power.

2. To ensure the machine's lifespan, the air hoses connected to the machine must carry clean, oil-free, filtered air. This ensures the longevity of the solenoid valves and cylinders.

3. The equipment's power socket must be grounded to prevent lightning strikes or electrical leakage.

4. The equipment's inlet air pressure must reach 0.6MPa.

KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

TEL/WhatsApp: +86 17622605414

Mail: admin@transformercoilwindingmachine.com

Web:www.transformercoilwindingmachine.com

Serial No.	Item	Specification
1	Overall Dimensions	1280×1050×1900 (Length × Width × Height, mm)
2	PLC Control System	Xinjie
3	Display Screen	Xinjie
4	Power Supply Brand	Mean Well
5	Motor Brand	Xinjie Servo Motor
6	Cylinder Brand	Xingchen / Airtac
7	Inductive Wire	Airtac
8	Guide Rail & Slider	Ball Screw (China Taiwan TBI5) / Slider (China Taiwan Hiwin)
9	Equipment Weight	450KG

Packaging

Packaging Material: Carton/Wooden case with foam inside. 1. General package(Paper carton or plastic bag): For small equipped parts for Digital CNC Wire Coil Winding Machine, Package it with form and pack paper to guarantee unbroken during the transport. 2.Wooden case package: For larger scale Digital CNC Wire 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.





Market Area

We work closely with Southeast Asia, European, America, South America, Australia, New Zealand partners to provide local sales, support and

service assistance for coil winding machines.

FACTORY:

Founded in 1993, KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD. has been a well-known manufacturing excellent performance winding machines together with associated production and technology. KIOXIA LIGHT RING provide highly cost effective manufacturing solutions for the production of the wound components of all types such as transformers,chokes etc.



KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

TEL/WhatsApp: +86 17622605414

Mail: admin@transformercoilwindingmachine.com

Web:www.transformercoilwindingmachine.com



KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

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