



KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

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KXD-S22

Double Arm Sleeve Winding Machine



Machine Function Introduction

1. Equipment Introduction :

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★ Under normal circumstances, one winding takes 8 seconds. The winding period varies depending on the winding process.

★ Single machine production can also be connected to form a production line. According to the product process, it can achieve arbitrary combination and disassembly of multiple units such as 2 units, 4 units, 8 units, etc., featuring a flexible and diverse production line connection mode.

★ Available models: double-arm single-line single-tube, double-arm double-line double-tube, double-arm three-line three-tube, double-arm four-line three-tube and other threading machines.

Standard Configuration

A taping station and a barrier tape station are integrated, allowing a transformer winding to be completed in a single operation. Programming is simple and user-friendly, while automated sleeve feeding requires no adjustment and enables automatic positioning.

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Upgradable Configuration:

Multiple machines are connected, the wire ends are wrapped with tape instead of sleeves, the tape is folded back, small tape is pasted, copper foil is wound and the wire ends are bound, the wire ends are wrapped with tape instead of folded back, the same layer is wound together, three layers are wound together in the same layer, black and white sleeves, flying wire binding feet, two retaining wall positions, two rubber coating positions, laser peeling (three-layer insulated wire, film wrapped wire), Nuomei paper without a frame winding, ABBA sandwich winding process, sub- The female buckle winding wire can be developed according to the samples provided by the customer.

2. Technical Parameters

Item	Specification
Number of Spindles	1
Maximum Speed	5000 RPM
Maximum Bobbin Outer Diameter	85MM

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Item	Specification
Total Sleeve Length	125MM
Applicable Wire Diameter	0.1--0.8 MM
Control System	GREWIN dedicated winding machine control system
Power Supply Specifications	AC220V 50HZ
Air Supply Specifications	0.5--0.6
Machine Dimensions	1200(L)*1100(W)*1800(H)
Power Rating	3000W
Machine Weight	450KG
Servo Motor	12 PCS
Structure	2 robotic arms

Functional features: sleeve threading, winding (with enameled, insulated, stranded, or silk-covered wires), interlayer insulation taping, barrier wall creation, and tape folding. It is highly efficient and user-friendly, primarily constructed with high-precision castings for robust and durable performance.

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Equipment Basic Parameters and Applicable Product Types

Guide rail lead screw

SHAC

Pneumatic components

AIRTAC

Servo

Leisai/Huichuan

Step forward

Hanbang/Leisai

Sensor

Shenwu/Jinhua Rui/Jingjiake

Industrial control components

Shenzhen Ruixiang

Touch screen

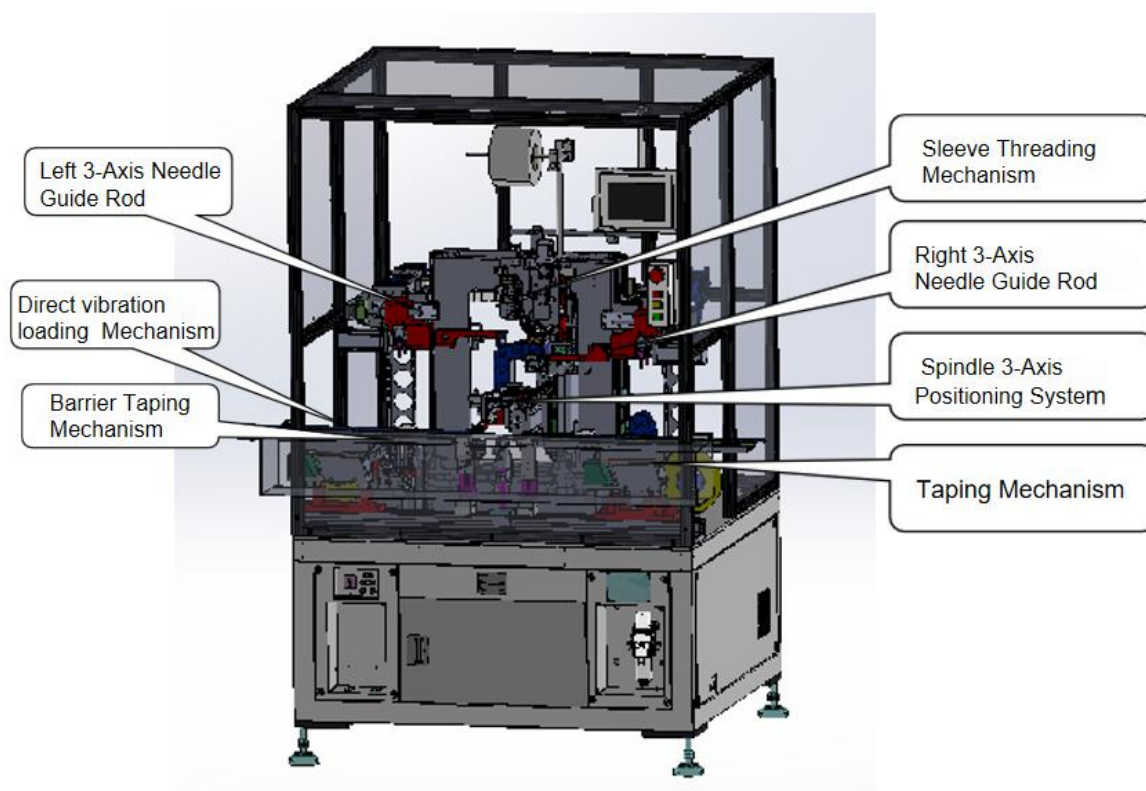
Weinview

Switching power supply

Mingwei, Taiwan

Motion control card, I/O card

Liwei



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Double Arm Casing Machine Function Demonstration

1.Functional Features

1. Implement threading sleeves, winding (multiple wires can be wound simultaneously), forming right angles, automatic wire arranging (for up to 6 wires), continuous insulation tape wrapping, interlayer tape application, barrier tape wrapping, alarms for folded tape sleeves, wire breakage, and tape issues.
2. The start and end points shall have double wires and double sleeves, which can be terminated to any different pins (the two wires in the same sleeve cannot be separated and connected to different pins).
3. It can meet the requirements of all conventional transformer sizes and complex production processes.
4. The shared wire feeding structure for both thick and thin wires can be suitable for both thick and thin wire production simultaneously.
5. Sleeve winding machine can be equipped with a dedicated structure for 0.06*600 strands of stranded wire,

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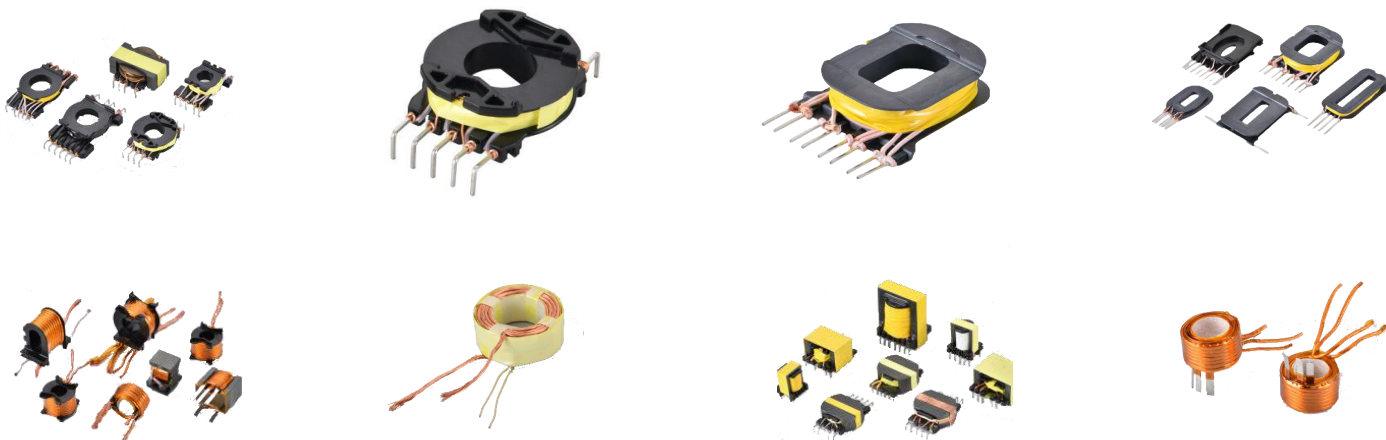
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suitable for vertical and horizontal bobbin production (optional).

6. Regarding wire diameter: Up to 1200 strands, minimum 0.1. It can be made into stranded wire, film-covered wire, silk-covered wire, FIW wire, and three-layer insulated wire.

Product Examples



These toroidal coils, transformers and inductors are widely used in power

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adapters, chargers, switching power supplies, LED drivers, home appliances, automotive electronics, industrial control equipment, and communication systems. They are key components for energy conversion, filtering, signal transmission and power regulation in various electronic devices.

PACKAGE:



Packaging Material: Carton/Wooden case with foam inside.

1. General package(Paper carton or plastic bag): For small equipped 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.

FACTORY:

We-KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD. has 28 years of experience in winding machine lines. Our KIOXIA series (including the KX3B-L model) is equipped with ISO9001:2015 and CE certifications, proprietary machine patents, and the qualification of a government-recognized "high-tech enterprise".

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