KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

TEL/WhatsApp: +86 17622605414

Mail: admin@transformercoilwindingmachine.com

Web:www.transformercoilwindingmachine.com

KXSX-9 Single Axis Winding Machine



Spindle number	1
Spindle speed	0-1200rpm
Wire diameter	0.1-1.5mm
Nominal application diameter of tensioner	0.10-0.50mm
Swing diameter	0-280mm
Wire Arrangement Spacing	0-180mm
Wire Arrangement Speed	0-22mm/sec
Spindle motor	1.5kW three-phase AC motor +1.5KW frequency converter
Wire Arrangement Motor	Two-phase hybrid stepper motor, static torque 2N.M
Power Supply	Single-phase 220V±10% 50HZ
Machine Power	1.7KW
Machine size	Length: 900mm width: 500mm height: 665mm
Machine weight	110Kg
Multi-line and round	Changing part of the configuration enables multi-wire and winding

SPECIFICATION:

FEATURES:

◆ Adopts 32 bit ARM control chip and CPLD, the calculation speed is faster, and the error of arranging line is reduced effectively.

◆ Input and output all photoelectric isolation, stable work.

◆ All Chinese liquid crystal display, easy to operate.

◆ Intelligent input winding point and wire width.

◆ Intelligent deceleration of line commutation, to ensure faster line alignment and greater torque.

◆ Can set the spindle climbing time, real-time change the spindle speed, overspeed tracking.

◆ Save the winding data after power failure, effectively avoid the scrap of coil caused by sudden power failure.

◆ The position of the wire rack can be adjusted manually during the winding process.

◆ Bearing belt imported from Japan, inverter and lead rod imported from Taiwan, cast iron box, ensure stable performance.

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SCOPE OF APPLICATION:

- ◆Medium size transformer
- ◆ Solenoid valve coil
- ◆ Multi-tap coil
- ◆ Layer wrapping tape coil
- ◆Precision flat winding coil
- ◆ Coil with larger diameter
- ◆ Hot silk coil

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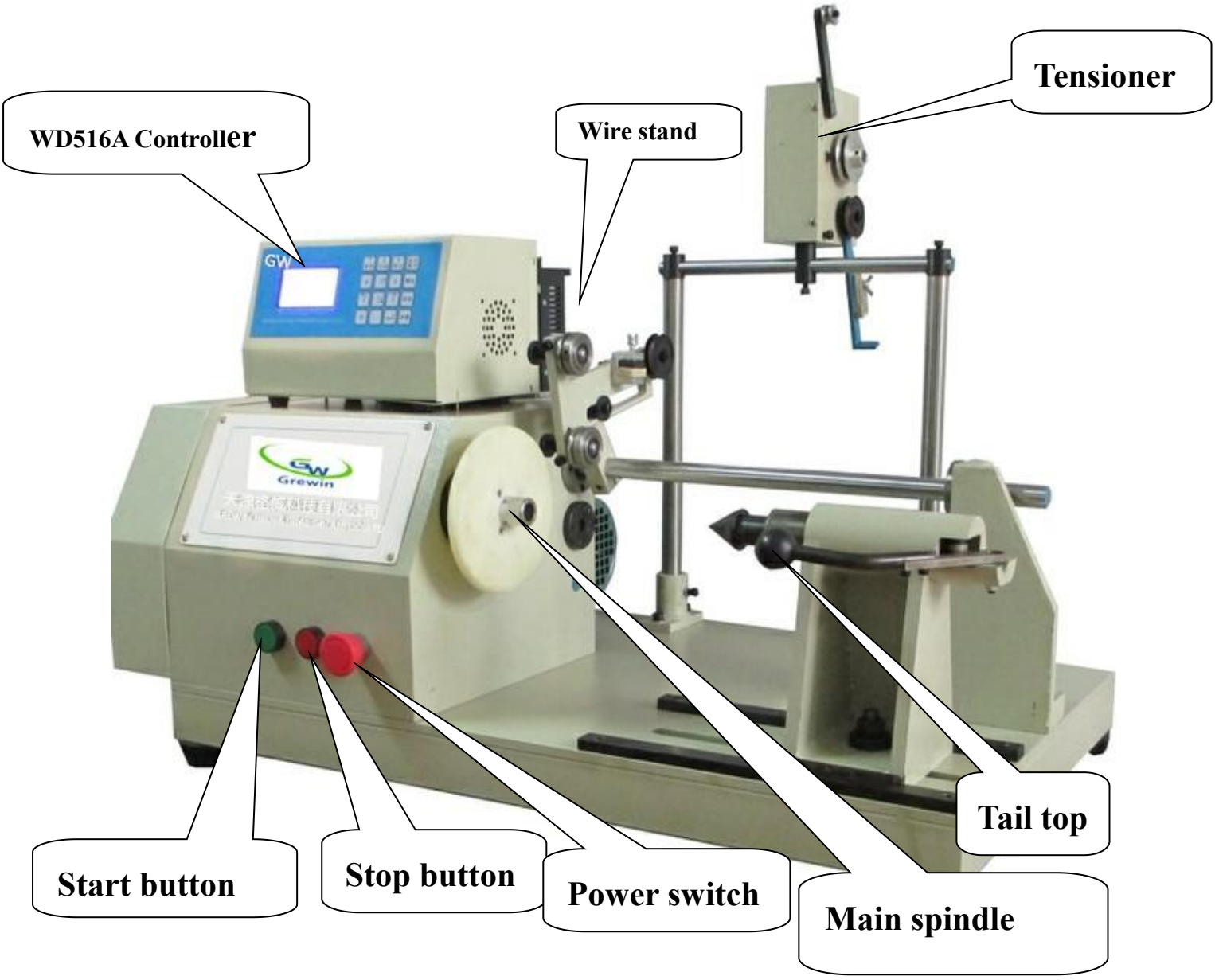
PRODUCT PICTURE:

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The picture is for reference only, the final product varies according to different customer needs.

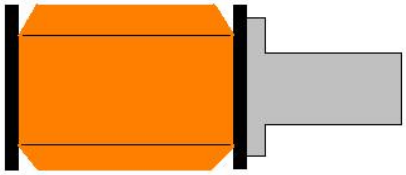
Description of main components:

Inverter	Domestic COVO
Spindle motor	Domestic
Spreading Motor	The motor is made in domestic KINCO, 2N.M static torque, long time working without heat
Controller	Independent research and development, ARM control chip, all Chinese LCD display
Screw	Taiwan TBI,C precision
Synchronous belt	Japan BANDO
Bearing	Japan NSK
Tensioner	Mechanical, independently developed
Spindle row box cast	Iron box independent research and development
Other mechanical components	Independent research and development

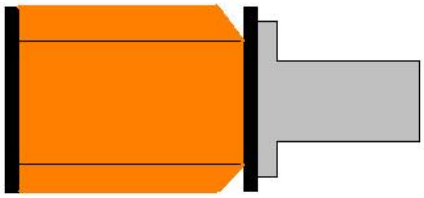
SOFTWARE FUNCTION:

◆ Skeleton basic parameter input. Start winding point, row width, row spacing, number of winding turns, start slow train, stop slow train, spindle positioning, spindle low speed, spindle high speed, spindle direction, line direction, layer stop.

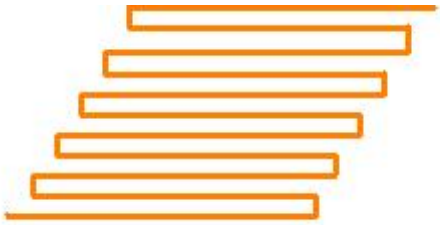
◆ Spindle climbing time setting, special winding function selection (as shown below).



Both ends of the indentation



Single indent



Antenna winding

◆ The position of the wire rack can be manually adjusted in the winding process to achieve fine tuning of the precise wire arrangement. This feature needs to be customized.

◆ The system has 1450 data storage space, and can save up to 999 skeleton parameters. The debugged skeleton parameters can be permanently saved. When replacing the product, only the corresponding fixture needs to be replaced and the corresponding skeleton parameters can be selected.

◆ When winding suddenly power off, the system saves the final winding state, after powering on again, press the start button to continue winding the unfinished coil.

◆ Special function can be customized software.

PACKING:

◆ Packing manner: wooden case

◆ Packing size: length:950mm; width:600mm; height:550mm

◆ Packing weight: 145Kg



PRACTICAL APPLICATION :

TRAINING CUSTOMERS TO OPERATE WINDING MACHINES:

1.All service engineers, with over 10 years of experience, have received specialized technical training to handle various breakdown issues, including those related to the KXSX-9 Single Axis Winding Machine.

2.We guide users on the accurate operation and proper maintenance of our equipment, such as the KXSX-9 Single Axis Winding Machine and Multi Spindle Coil Winding Machine. We also provide free consultation on production process technologies for electronic products.

3.To ensure the normal operation of machines like the KXSX-9 Single Axis Winding Machine, we offer training on operation, usage, and maintenance through English manuals, video tutorials, and online guidance.

PACKAGING:

Packaging Material: Carton/Wooden case with foam inside.

1.General package(Paper carton or plastic bag): For small euipped parts for Multi Spindle Coil Winding Machine , Package it with form and pack paper to guarantee unbroken during the transport.

2.Wooden case package: For larger scale Multi Spindle 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.

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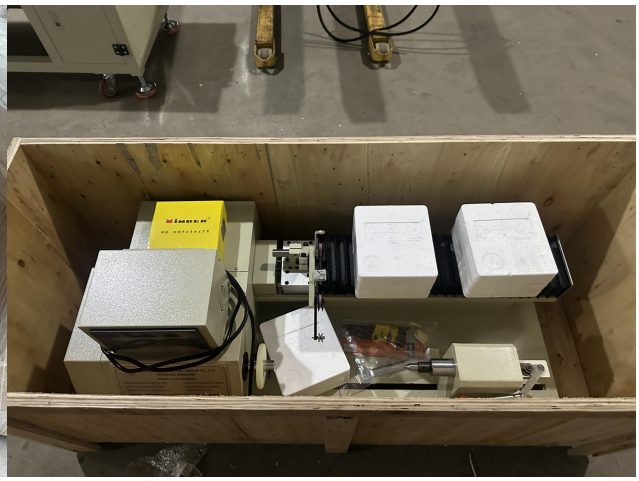
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Add: Building G, No.209 Zhonghuan East Road, Free Trade Zone (Airport Economic Zone), Tianjin

FACTORY:

KIOXIA LIGHT RING EUIPMENT GROUP CO.,LTD., founded in 1993, has earned a reputation as a leading manufacturer of high-performance winding machines and provider of associated production technologies. Our company delivers highly cost-effective manufacturing solutions for producing various wound components such as transformers and chokes, with products like the KXSX-9 Single Axis Winding Machine exemplifying their commitment to quality and innovation in winding technology.



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