KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.
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NAME:KXY-0618 Toroid Digital Transformer Winding Machine



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SPECIFICATION:Main technical parameters table: (Unit: mm)

Equipment model	KXY-0618
Finally complete the outside diameter	200-800
Minimum finished inside diameter	100
Maximum completion height	330
Suitable winding diameter range	1.0-4.0
Diameter of magazine	600
Width of magazine	15-40
Maximum speed	150 RPM/min
Operating voltage	220V/50HZ
(iron core) maximum load-bearing	350KG
Main motor	Servo motor
Spread motor	Servo motor
Operation interface	7-inch touch screen
Weight	450KG
Overall dimension	1300*700*1500mm

Description of main technical indicators:

1. The winding head adopts an openable full-gear large ring gear transmission. The gear ring opens and closes quickly and stably, with low operating noise and long service life;
It is not necessary to add lubricating oil during use to avoid contaminating the product during operation.

2. The cable arranging device (active wheel) has two sets of manual rocker arms, plus a front set of manual forward and backward adjustment structures (passive wheels), making the adjustment quick and easy.
Convenient and strong load-bearing capacity.

3. The spindle drive system is a high-power and high-precision servo motor; the torque is strong, the turn number induction can be accurate to 0. 1 turn, and it has shutdown time
The function of reversing the number of turns and reducing them accordingly ensures that the final number of turns is absolutely accurate.

4. Electronic control operating system (TECO brand) PLC plus 7-inch full Chinese touch screen human-machine interface (Kunlun Tongtai
brand).

5. Winding speed: 0-150 rpm, stepless speed regulation, automatic operation or pedal operation.

6. The surface of the main base is treated with high-temperature baking paint, and the front is covered with stainless steel plates; the head plate, cable organizer rocker plate, etc. are all electroplated wire storage rings and teeth.
The wheel ring and main gear parts are made of high-strength forged steel; they are durable and difficult to use, and the equipment can still remain clean and beautiful after long-term use.

7. The pneumatic brake can be customized and installed (the user needs to provide his own air source), equipped with a pressure regulator gauge, and the tension adjustment is digitalized to improve the winding quality.
and winding stability.

8. It can be customized with a manual or electric advance and retreat mechanism for the winding head, which facilitates vertical lifting of heavy products and improves convenience of use.

9. Optional customization is to install dual frequency conversion electronic control system + LCD controller, the price is more economical and affordable

APPLICATION:

The KXY-0618 Toroid Digital Transformer Winding Machine—featuring advanced digital control technology—excels as an optimal solution for processing a diverse range of toroidal components. It is specifically engineered to handle the precise winding requirements of:

Toroidal inductors
Toroidal transformers
Toroidal current transformers
Toroidal coils
Toroid choke coils
Power inductors
UPS inductors
Converter inductors
Heavy toroidal cores

With its digital precision and specialized design, the KXY-0618 ensures consistent accuracy and efficiency across both standard and heavy-duty toroidal components, making it perfectly suited for the full spectrum of toroidal winding applications.



PRACTICAL APPLICATION :

Training for Customers on KXY-0618 Toroid Digital Transformer Winding Machine Operation
1.All our service engineers, with 10 years of experience, have received special technical training—including specialized expertise in the KXY-0618 Toroid Digital Transformer Winding Machine—enabling them to effectively resolve various breakdown issues specific to this digital toroidal winding equipment.

2.We provide detailed guidance on the accurate operation and maintenance of the KXY-0618 Toroid Digital Transformer Winding Machine, while offering free consultation on electronic product production process technologies related to toroidal transformer manufacturing and digital winding applications.
3.To ensure the KXY-0618 Toroid Digital Transformer Winding Machine operates normally, we conduct comprehensive training on its digital control functions, operation procedures, usage, and maintenance through English manuals, model-specific instructional videos, and dedicated online guidance tailored to this equipment.



PACKAGING:

Packaging Material: Carton/Wooden case with foam inside.

1. General package(Paper carton or plastic bag): For small euipped parts for Toroidal TransformerWindingMachine , Package it with form and pack paper to guarantee unbroke n during the transport.

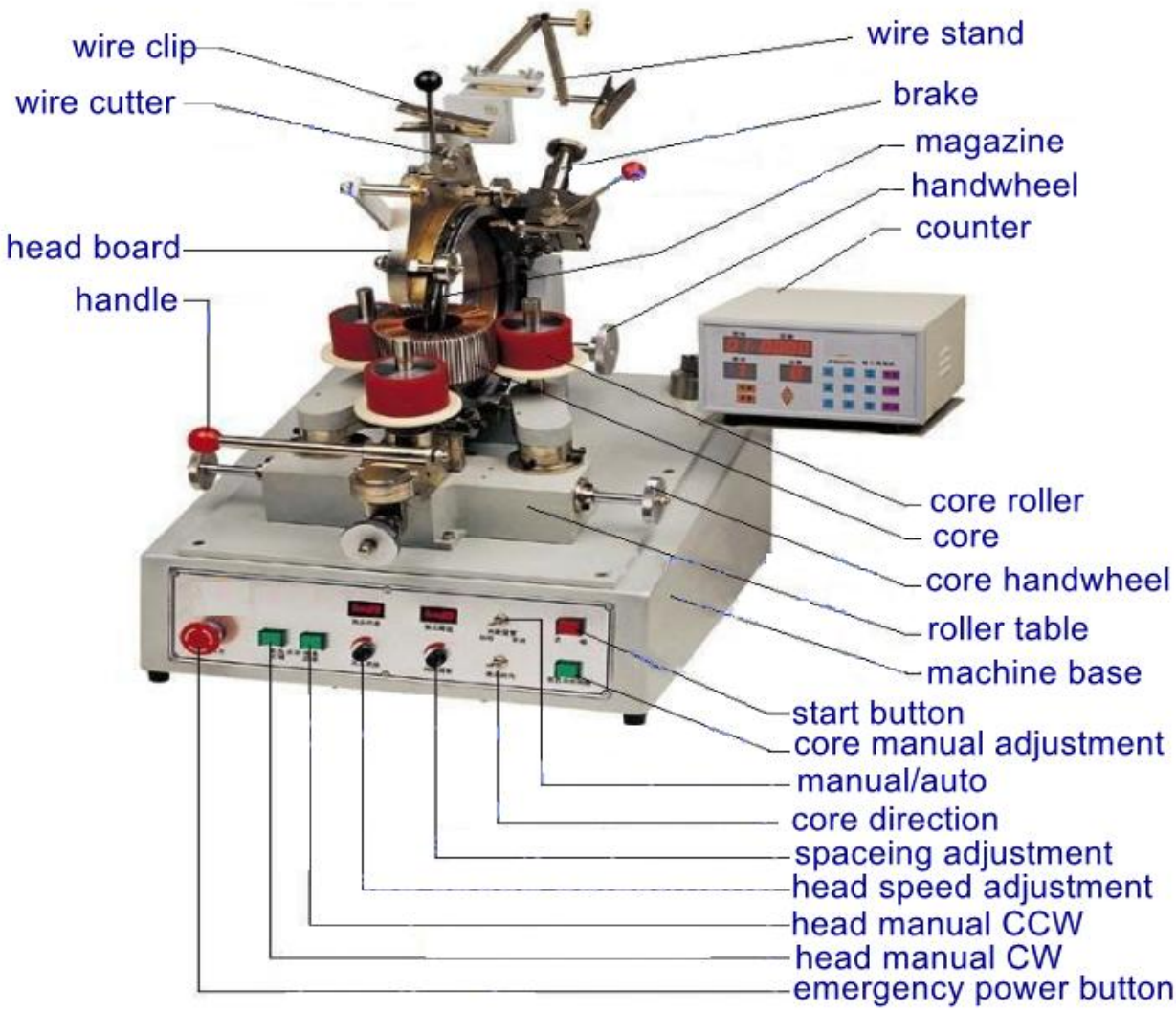
2.Wooden case package: For larger scale Toroidal Winding machine ,we have special skilled carpenter, who would make the proper wooden case with exact thickness,density,length. The up arrow ↑marked on the outer wooden case. Buffer material would be put in the woo den case to prevent crack and shock.







Below is the name of all listed accessories for the machine and construction diagram.
(Note:Different machines have different equiped parts)


wire clip
wire cutter
head board
handle
wire stand
brake
magazine
handwheel
counter
core roller
core
core handwheel
roller table
machine base
start button
core manual adjustment
manual/auto
core direction
spaceing adjustment
head speed adjustment
head manual CCW
head manual CW
emergency power button

FACTORY:

Founded in 1993, KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD. has established itself as a well-known manufacturer specializing in high-performance winding machines, along with associated production equipment and technical expertise. A standout in its innovative product lineup is the KXY-0618 Toroid Digital Transformer Winding Machine—a state-of-the-art digital solution engineered for precise, automated toroidal winding processes, embodying the company’s advanced capabilities in toroidal transformer manufacturing technology.

Beyond delivering specialized equipment like the KXY-0618 Toroid Digital Transformer Winding Machine, KIOXIA LIGHT RING provides highly cost-effective comprehensive manufacturing solutions. These solutions cater to the production needs of various wound components, including transformers, chokes, and more, ensuring reliable support for efficient, high-quality processing across diverse winding applications.



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