



Main functional features

- ◆ Suitable for winding low, medium and high precision Gyroscope fiber coil, optical fiber coil for hydrophone, optical fiber coil for time-delay, etc.
- ◆ This machine contains six major systems, fiber pay-off system, fiber laying system, fiber take-up system, tension control system, dispensing system, recording system, operation panel.
- ◆ With manual assistance, the machine could reach automatically fiber releasing, winding and fiber rewinding.
- ◆ Stable vibration isolation optical platform, to ensure small vibration, high stability.
- ◆ CCD device with high precision industrial lens and 17inch industrial LCD monitor are for real-time monitoring and recording system.
- ◆ High performance servo motor with precision helical gear reducer to ensure high accuracy of spindle positioning and fiber winding, low noise.
- ◆ Smooth continuous adjustable winding speed curve feature, is suitable for different coil winding procedure requirements.
- ◆ Fully closed loop tension control system, uniform and stable tension control during the winding process, and real-time monitoring of tension fluctuation curve.
- ◆ The tension limit alarm and shutdown function is to effectively prevent fiber breakage caused by excessive tension during the winding process, and ensure coil performance due to tension loss.

- ◆ Fiber path has high coplanar property, which effectively reduces the torque of fiber while winding.
- ◆ Winding data automatic recording system is to real-time record information of layers, turns, length, winding speed and tension, etc.
- ◆ Automatic stop and return winding system is to deal with unsatisfied turn while winding.
- ◆ Edge automatic deceleration system is in time to let engineer deal and operate when coil winding is finishing, and effectively improves product quality and efficiency.
- ◆ Left and right limit position stop protection to prevent the mechanical parts of the equipment from being damaged due to improper operation.
- ◆ The high-precision winding length recording system can real time record the data of current layer length and the total length of the fiber coil.
- ◆ Spindle constant speed continuous slow rotating ring function, can realize the fiber ring uniform speed rotating ring function while winding.

Main Parameter

Technical Index	Value
Model	ZKRZ -RHJ4.0
Type of Installation	Floor-Standing
Power Supply	Single AC220V 50HZ
Power Consumption	≤2kW
Dimensions	1300*800*2000mm
Net Weight	980kg
Noise Value	≤60dB
Winding Method	Compatible of Single-pole, Quadrupole, Octapole, 16 th Polar
Inner Diameter of Fiber Coil	φ5-200mm
Fiber Diameter	≤400um
Spindle Speed	0~100rpm
Turns Counting Accuracy	0.01 Turn
Spindle Diameter	φ15mm or Specify
Spindle Radial Runout	≤0.08mm
Tension Control Range	0~50g
Tension Control Accuracy	0.5g
Meter Counting Tolerance	≤0.3%

If you have any specific requirement, please do not hesitate!

[CONTACT US](#)