



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.
- ◆ With manual assistance, the product ring is automatically fibre-discharging, fibre-winding and fibre-collecting;
- ◆ Stable vibration isolation optical platform, to ensure small vibration, high stability;
- ◆ CCD device with imported high precision industrial lens and 17 inch industrial LCD monitor constitute a real-time monitoring system;
- ◆ Imported servo motor with precision helical gear reducer, spindle positioning, high fiber discharge accuracy, low noise;
- ◆ Smooth continuous adjustable speed curve, suitable for different winding process requirements;
- ◆ Full closed-loop tension control, uniform and stable tension control in the loop winding process, and real-time monitoring of tension fluctuation curve;
- ◆ Tension limit alarm stop function, which can effectively prevent fiber breakage caused by too much tension in winding process and too little tension affecting ring performance;
- ◆ Fiber path has high coplanar property, which effectively reduces the torque of fiber in the process of winding.
- ◆ Loop data automatic recording, to show information of the layers, turns, length, speed, tension, etc.
- ◆ Automatic unwinding function, which can stop unwinding at any time to deal with the unsatisfactory turns in the winding process;
- ◆ To the edge automatic deceleration function, meet the loop to the edge timely processing process, effectively improve product quality and production efficiency;
- ◆ Left and right limit position parking protection to prevent the mechanical parts of the equipment from being damaged due to improper operation;
- ◆ The high-precision wound length recording device can identify the data of current layer length and the total length of the fiber coil in real time.
- ◆ Spindle constant speed continuous slow rotating ring function, can realize the fiber ring long-term uniform speed rotating ring function.

Specification

Technical Index	Value
model	ZKRZ –RHJ4.0
Type of installation	console mode
The power supply	Single AC220V 50HZ
Power consumption	≤2kW
Overall dimensions	1300*800*1900cm
The weight of the	800kg
The noise value	≤60dB
Winding way	Monopole, quadrupole, octupole, 16th pole, etc
Suitable inner diameter of fiber ring	φ5-200mm
Fiber discharge stroke (maximum ring width)	200mm
Applicable fiber diameter	≤400um
Repeat positioning accuracy of fiber discharge	≤0.002mm
Spindle speed	0~100rpm
Precision meter turns	0.01
The spindle diameter	φ15mm
Radial runout of spindle	≤0.02mm
Tension control	0~50g
Precision of tension	0.5g

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

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