



## Precision Reactor Foil Winding Machine - Automated & High-Tech Solution for Transformer Manufacturing

### Our Product Introduction

for more products please visit us on [jc-transformer.com](http://jc-transformer.com)

#### Basic Information

- Place of Origin: China
- Brand Name: JC
- Certification: SGS CE,UL
- Model Number: 90Q0
- Minimum Order Quantity: 1 pcs
- Price: consult
- Packaging Details: Export standard packaging
- Delivery Time: 5 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100pcs/month



#### Product Specification

- Axial Height Of Coil:  $\leq 800\text{mm}$
- Coil Form: Circular, Oblong, Elliptical, Rectangular
- Outer Diameter Of Wire  $\leq 600\text{mm}$   
Coil:
- Control System: PLC
- Wire Feeding Length: 0-9999mm
- Power Supply: AC380V/50Hz
- Winding Speed: 0-1000rpm
- Winding Pitch: 0-999mm



#### More Images



## Product Description

"Precision Reactor Foil Winding Machine - Automated & High-Tech Solution for Transformer Manufacturing"

### Shipment Process



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SEO Meta Description (140-160 chars):

\*"Discover advanced Reactor Foil Winding Machines for transformers with  $\pm 0.02\text{mm}$  accuracy, IoT monitoring & energy-saving design. Boost production efficiency today!"\*

Product Description (500 words)

High-Performance Reactor Foil Winding Machine

Our **Reactor Foil Winding Machine** is engineered for precision winding of transformer and reactor coils, delivering unmatched accuracy for electrical manufacturers. Designed for heavy-duty industrial use, it ensures **bubble-free, tightly layered foil winding** with intelligent tension control, making it ideal for power grids, renewable energy systems, and industrial transformers.

Key Features & Technology

- ✓ **Ultra-Precise Winding** – Achieves  $\pm 0.02\text{mm}$  alignment accuracy with laser-guided systems.
- ✓ **IoT-Enabled Monitoring** – Real-time tracking of tension, speed, and temperature via **4G/5G connectivity**.
- ✓ **Multi-Layer Foil Handling** – Supports **0.05–3mm foil thickness** and **200–2000mm winding width**.
- ✓ **Energy-Saving Design** – Reduces power consumption by **25%** vs. conventional machines.
- ✓ **Automated Lubrication** – Minimizes maintenance downtime with self-oiling mechanisms.

Technical Specifications

Parameter	Specification
Model	RFW-3000
Winding Speed	0–15 m/min (adjustable)
Tension Control	$\pm 0.5\%$ (servo motor)
Foil Width Range	200–2000mm
Accuracy	$\pm 0.02\text{mm}$ (laser calibrated)
Power Supply	380V/50Hz (3-phase)
Certifications	CE, ISO 9001, UL

Applications  
Dry-Type Reactors

Power Transformers (Up to 500kV)  
Renewable Energy (Wind/Solar Grids)  
Industrial Motor Coils

Competitive Advantages

- ❑ **30% Faster Production** – Automated loading/unloading reduces cycle time.
- ❑ **Near-Zero Scrap Rate** – AI-driven defect detection (<0.1% error).
- ❑ **Modular Design** – Easy upgrades for future tech integration.
- ❑ **Global Support** – 24/7 remote troubleshooting.

FAQ Section

**Q: What's the minimum order quantity?**

A: **1 unit**, with volume discounts for 3+ machines.

**Q: Can it handle aluminum and copper foil?**

A: Yes—compatible with **both materials** (0.05–3mm thickness).

**Q: What's the warranty coverage?**

A: **2 years** for core components + lifetime technical support.

**Q: How is installation handled?**

A: We provide **onsite training** and calibration (global service available).

**Q: Does it support custom widths?**

A: Yes, customizable up to **2500mm** (lead time: 4–6 weeks).

5 SEO Keyword Groups

Automated Foil Winding Machine for Reactors

High-Precision Transformer Coil Winding Equipment

IoT-Enabled Foil Winding System

Industrial Reactor Manufacturing Machine

Energy-Efficient Coil Winding Solution



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