



Advanced Transformer Foil Winding Machine - High Precision & Automated Coil Winding Solution

Our Product Introduction

for more products please visit us on 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

"High-Precision Transformer Foil Winding Machine | Automated Coil Winding Solution"



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Shipment Process



Description (156 chars):

"Advanced transformer foil winding machine delivers $\pm 0.01\text{mm}$ precision, IoT monitoring & energy efficiency. Ideal for power transformers & reactors. Get quote today!"

Product Description (500 words):

Revolutionary Transformer Foil Winding Machine for Precision Manufacturing

Our cutting-edge Transformer Foil Winding Machine sets new industry standards for coil winding precision and efficiency. Designed for high-voltage transformer and reactor production, this advanced system combines German-engineered mechanics with Japanese servo technology to deliver unmatched performance in electrical manufacturing.

Key Features & Technological Advantages:

✓ Sub-Micron Precision Winding

Achieves $\pm 0.01\text{mm}$ alignment accuracy

Laser-guided real-time correction system

0.005mm repeat positioning precision

✓ Smart Manufacturing Integration

Industry 4.0 compatible IoT platform

Real-time production monitoring via cloud

Predictive maintenance alerts

✓ Multi-Material Versatility

Handles copper/aluminum foil (0.03-6mm)

Supports paper/Kapton insulation layers

Automatic material changeover system

✓ **Energy Efficient Design**

35% lower power consumption

Regenerative braking system

LED process lighting

✓ **Enhanced Safety Systems**

CE-certified safety interlocks

Emergency stop with redundancy

Automatic fault diagnostics

Technical Specifications Table:

Parameter	Specification
Model	TFW-8000 Ultra
Max Winding Width	3000mm
Winding Speed	0-25m/min
Tension Control	±0.2% (direct drive)
Positioning Accuracy	±0.01mm
Power Supply	480V/60Hz 3-phase
Certifications	CE, UL, ISO 9001:2015

Industry-Leading Applications:

500kV+ Power Transformers

Dry-Type Distribution Transformers

Renewable Energy Reactors

HVDC Transmission Equipment

Special Electrical Coils

Competitive Advantages:

▣ **45% Faster Cycle Times**

Automated material handling

Quick-change tooling system

Simultaneous winding capability

▣ **Zero-Defect Manufacturing**

Integrated machine vision QC

<0.03% defect rate guarantee

Full traceability system

▣ **Future-Proof Investment**

Modular upgrade path

Software update guarantee

Technology lifecycle management

▣ **Global Support Network**

24/7 multilingual support

72-hour emergency response

Onsite training programs

FAQ Section:

Q: What's the lead time for delivery?

A: Standard units ship in 4-6 weeks; express 2-week delivery available

Q: Can you customize for special applications?

A: Yes - we've delivered machines for aerospace, medical and defense applications

Q: What maintenance is required?

A: Only annual servicing - includes automated lubrication system

Q: Is operator training included?

A: Comprehensive 5-day onsite training program standard

Q: What's the expected lifespan?

A: 15+ years with proper maintenance

5 SEO Keyword Groups:

Automated Transformer Foil Winding Equipment

High-Precision Coil Winding Machine

Industrial Foil Winding System with IoT

Energy Efficient Transformer Manufacturing

Advanced Reactor Winding Solution



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