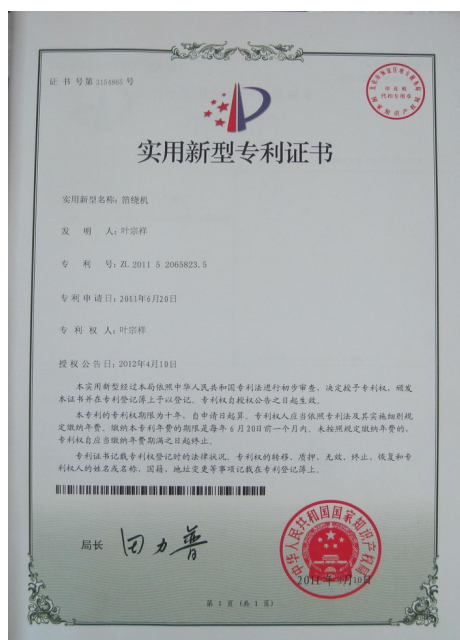


## Zhu Tang (Suzhou) Technology Co., Ltd.



Zhu Tang (Suzhou) Technology Co., Ltd., established in 2011, is located in Taicang City, Suzhou City, Jiangsu Province, China, and is adjacent to Shanghai City.

The company specializes in developing, manufacturing and selling transformer-manufacturing machines, such as foil winding machines, coil winding machines, assembly platform, and silicon iron cross-cutting machines etc. These machines can be used to manufacture transformers, reactors, and other similar products. Moreover, we also can design and manufacture these machines as requested. We have been in this line for more than 8 years.

## Parts of Product Catalog

### ❑ Foil Coil Winding Machine Series

#### 1. Automatic Transformer Foil Winding Machine BRJ1400-2



(Figure:Automatic Transformer Foil Winding Machine BRJ1400-2)

### Introduction

Automatic foil coil winding machine is used to wind dry type transformer foil coils and other similar products, the foil conductor can be copper or aluminum strip. This kind of foil winding machine can wind one or two layers of foil conductor and one or two layers of insulation material (such as paper or similar material). Bus bars are welded with TIG welding process. The automatic foil edge alignment makes sure that the coil edges are straight and smooth. Control system is based on PLC. It is easy to operate the machine through a touch screen.

### Main Components

- 1.Main frame
- 2.Winding unit
- 3.Foil decoiler
- 4.Insulation decoiler
- 5.End-fill strip feeder
- 6.Cleaning system
- 7.Cutting system
- 8.Foil deburring system

- 9.Edge alignment system
- 10. Automatic welding unit
- 11. Electronic control system
- 12. Pneumatic system

## **2. Automatic Double Servo Foil Winding Machine BRJ600-2**



**(Figure: Automatic Double Servo Foil Winding Machine BRJ600-2-2)**

### **Introduction**

This kind of foil winding machine is a core-clamping type foil winding machine, it adopts double servo motors, which makes two ends of the mandrel have the same torque and ensures the two ends to wind synchronously. This kind of foil winding machine can wind 1 or 2 layers of foil conductor and 1 or 2 layers of insulation paper at the same time.

### **Main Components:**

- 1. Main frame
- 2. Foil decoiler
- 3. Pressing roller
- 4. Winding unit
- 5. Insulation decoiler
- 6. Edge alignment system
- 7. Automatic welding unit
- 8. Pneumatic unit
- 9. Electrical Control System



### 3. Automatic Cold Welding Foil Winding Machine BRJ300-2



(Figure:Automatic Cold Welding Foil Winding Machine BRJ300-2)

#### Introduction

Foil coil winding machine BRJ300-2 is a dedicated equipment for winding reactor foil coil and other similar product. The foil winding machine adopts PLC based controlling system, with high degree of automation and complete functions.

#### Main Components:

1. Main frame
2. Foil decoiler unit
3. Pressing roller unit
4. Winding unit
5. Insulation decoiler unit
6. Edge alignment system
7. Automatic cold welding unit
8. Pneumatic unit
9. Electrical control system

#### **4.Economic and Practical Foil Winding Machine JJ-BRJ800-2**



**(Figure:Economic and Practical Foil Winding Machine JJ-BRJ800-2)**

#### **Introduction**

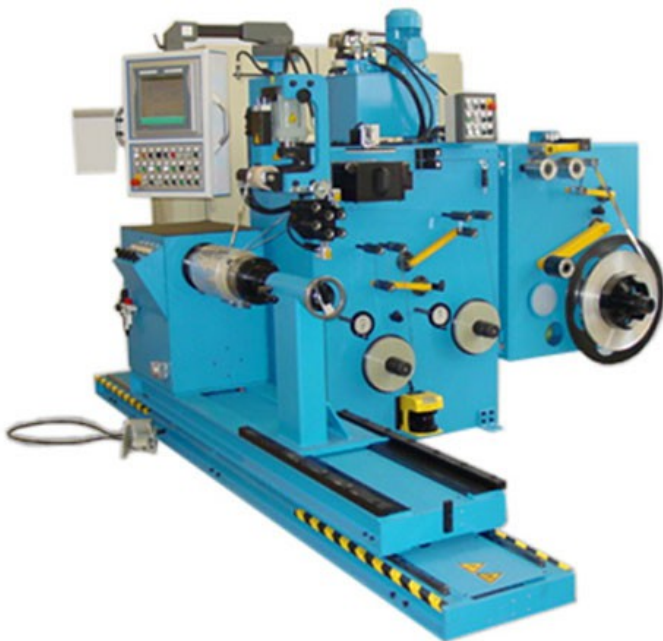
This machine is suitable for winding foil coils, which can be used in transformer, reactor and capacitor etc. It has been improved based on numerous automatic equipment, and has many functions, such as automatic winding foil, mechanical rectifying deviation, tension controlling, reversible counting, setting number of turns to stop, power off memory, and so on. The whole operation process can be

done automatically, without striking, truly realizing one worker-working with one machine, economical and practical. it is the ideal equipment for small and medium-sized enterprises.

## **Main Components**

- 1.Main Frame
- 2.Foil decoiler
- 3.Winding unit
- 4.Insulation decoiler
- 5.Pneumatic devices
- 6.Electrical control system

## **5. Automatic High Voltage Foil Winding Machine GY-BRJ**



**(Figure: Automatic High Voltage Foil Winding Machine GY-BRJ)**

## **Introduction**

This machine is dedicated to winding high voltage transformer foil coils ( Dry type casting high voltage coils ). During winding process, the machine provides constant tension, with two grades, big and small. This machine can rectify deviation automatically, stop at the presetting stop point and weld lead-out and lead-in systems. According to presetting parameters, this machine can achieve precise axial moving with the infrared positioning function.

## **Main Components**

1. Main frame
2. Foil decoiler
3. Cleaning unit
4. Deburring unit

5. Insulation decoiler
6. Auto-welding unit
7. Winding unit
8. Winding unit movable part
9. Electric control system

## □□Wire Coil Winding Machine Series

### 1. Automatic 3-head Wire Coil Winding Machine ZPX-3



(Figure:Automatic 3-head Wire Coil Winding Machine ZPX-3)

#### Introduction

This machine, adopting automatic winding displacement and tension technologies, is especially suitable for winding square and round coil. These coils can be used in small and medium-sized distribution transformer, instrument transformer, reactor and similar products. This machine can wind 3 coils simultaneously.

#### Main Components



1. Main frame
2. Winding unit
3. Automatic winding displacement unit
4. Insulation decoiler
5. Electronic control system
6. Pneumatic system
7. Pedal switch

## 2. Automatic Coil Winding Machine ZPX800



(Figure:Automatic Coil Winding Machine ZPX800)

### Introduction

This automatic wire winding machine, adopting automatic winding displacement and tension technologies, is especially suitable for winding square and round coil. These coils can be used in small and medium-sized transformer, reactor and other similar products. This wire winding machine is composed of main winding motor, automatic winding displacement unit, layer insulation unit, tension adjustable decoiler, pneumatic system, PLC based control system, and servo motors, etc. It features high automation, full functions, and strong driving force, etc. It is an ideal equipment to wind many kinds of wire coils.



## Main Components

1. Main frame
2. Winding unit
3. Automatic winding displacement unit
4. Insulation decoiler
5. Electronic control system
6. Pneumatic system

### 3. Automatic Coil Winding Machine ZPX400



(Figure:Automatic Coil Winding Machine ZPX400)

## Introduction

This machine, adopting automatic winding displacement and tensioning technologies, is especially suitable for winding different shapes of coil. These coils can be used in small and medium-sized transformer and similar products. This machine is composed of main winding motor, automatic winding displacement unit, tension adjustable decoiler, pneumatic system, PLC control, and servo motors, etc. It features high automation, full functions, and strong driving force, etc. It is an ideal equipment to wind coils for small and medium-sized transformer.

## Main Components

- 1.Main frame
- 2.Main winding unit
- 3.Automatic winding displacement unit
- 4.Decoiler
- 5.Electronic control system
- 6.Pneumatic system

## 4. High and Low Voltage Coil Winding Machine Series



(Figure: High and Low Voltage Coil Winding Machine GDY-1T)

## Introduction

Our GDY series is suitable for winding different specifications of copper or aluminum wire coils, these coils can be used in HV and LV power transformers, reactors, and similar products. This machine is provided with a digital counter, and the turning number can be preset. The counting record and the parameters input can be memorized in case of power off.

## Main Components

- 1.Main frame
- 2.Gearbox
- 3.Tailstock
- 4.Electric control cabinet
- 5.Foot pedal

## □ □ Assembly Platform

### 1.Transformers Iron Core Tilting Platform for Stacking Laminated Core



(Figure:FZT-1T)

## Introduction

Transformer iron core stacking and tilting table FZT-5T is a special equipment to stack large-sized transformer iron cores, it can tilt the stacked iron cores up to 90°. The equipment adopts an adjustable mode to improve tilting accuracy and speed regulation accuracy. Furthermore, it is provided with a linear guide and a hydraulic system for tilting stacked cores.

The equipment features smooth tilting and easy operation, which assures the quality of laminating iron cores and improves the production efficiency.

## Main Components

1. Main frame
2. Hydraulic station
3. Linear guide

