



DW200P Precision Spot- welding Machine Micro Speaker / Receiver Flat Vibration Motor FPC Product lead Voice Coil Motor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MingSeal
- Certification: ISO
- Model Number: DW200P
- Minimum Order Quantity: 1
- Price: \$1000-\$150000
- Packaging Details: WOODEN
- Delivery Time: 5-60 days
- Payment Terms: L/C, T/T, D/A, D/P, MoneyGram, Western Union



Product Specification

- Frame Structure: Desktop
- NAME: DW200P
- Machine Weight: 100KG
- Power Supply: 220V AC 50Hz
- Power: 900W
- Inhale: 0.5Mpa 150L/min
- Working Ambient Temp.: 0-40°C
- Working Ambient Relative Humidity: 20-90% (no Dewing)
- Highlight: auto pick and place machine Glue Dispenser ,
Soldering auto pick and place machine ,
Soldering automated glue dispenser

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Product Description

DW200P Precision Spot- welding Machine

DW200P is a high-precision desktop visual resistance welding system, which can realize real-time pressure inspection to give an alarm when the parameter range threshold is exceeded, precisely control the pressure and energy, and improve the quality control capability.

Features and Advantages

Yield Improvement

Real-time welding pressure inspection to give an alarm when the preset range is exceeded. Precise energy control to effectively prevent burns around the pad. Precise pressure control to effectively prevent the pad from collapsing.

Suitable for Automated Production Line

The head and power supply combination occupies a small space and is light-weight. It supports communication with the MES system, and can be flexibly integrated in the automated production line.

Solving Potential Problems of

Poor Welding

Insufficient energy or pressure

Pad Collapsing

Too much pressure.

Substrate Warpage and Peripheral Burns

Excessive energy caused by too high pressure and too long contact time.

Targeted Solutions

High-Precision Energy Control

Closed-loop energy control to quickly achieve stable output and effectively prevent the pad burns caused by energy diffusion.

High-Precision Pressure Control

Closed-loop pressure control with the error of $\pm 5g$, and real-time pressure inspection to give an alarm when the threshold is exceeded.

Application Fields

Micro Speaker / Receiver

Flat Vibration Motor

FPC Product lead

Voice Coil Motor

Linear Vibration Motor

Technical Specifications

| Model | DW200P | | |
|----------------------------|----------------------------|---|---|
| Structure | Frame structure | Desktop | |
| Product Application Fields | Application fields | motor, electroacoustics | |
| | Fixture width range (W *D) | 200 x 200mm | |
| | Max. fixture weight | 5kg (with Product) | |
| | Transmission mechanisms | Servo motor&Screw module | |
| | Repeatability | X/Y: $\pm 0.015\text{mm}$ | |
| Motion System | Positioning accuracy | X/Y: $\pm 0.025\text{mm}$ | |
| | Max. movement speed | X/Y: 500mm/s Z: 100mm/s | |
| | Max. accelerated velocity | X/Y: $0.5g$ Z: $0.1g$ | |
| | Visual positioning method | Mark/Product appearance features | |
| Vision System | Recognition accuracy | $\pm 1\text{Pixel}$ | |
| Welding Media Requirement | Welding pad | material | metals like copper, tin |
| | | shape | Regular shape and clear boundary |
| | | size | min. size ≥ 8 times of wire diameter |
| | | surface condition | flat and clean |
| | | shape | Enameled wire or bare copper wire |
| | | size | Diameter $\phi 0.02 \sim \phi 0.1\text{mm}$ |

| | | |
|------------|-----------------------------------|--------------------|
| | Conductor wire | |
| Facilities | Dimensions W*D*H | 700×740×800mm |
| | Machine weight | 100KG |
| | Power supply | 220V AC 50Hz |
| | Power | 900W |
| | Inhale | 0.5Mpa,150L/min |
| | Working ambient temp. | 0-40℃ |
| | Working ambient relative humidity | 20-90% (no dewing) |



Mingseal INTELLIGENT & EFFICIENT **Changzhou Mingseal Robot Technology Co., Ltd.**

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