



GWB-90-01 Single Axis Air-Core Inductor Coil Winding Machine (large)

Equipment Introduction:

This machine is designed for linear motor coil, large coil, large wire diameter coil, high thickness coil, an enlarged single shaft winding machine, can wind most of the hollow coil, but also can be customized for special products.

Equipment features:

The machine body is integrally cast from cold iron, ensuring robust stability.

The control system utilizes touchscreen input with intuitive parameter settings.

The mechanical structure features rational design, utilizing materials processed through specialized techniques.

Rotational components employ imported servo motors and high-precision ball screws, while rotating parts incorporate imported bearings to guarantee high efficiency and precision.

The equipment supports 24/7 efficient and stable production, enabling single operator control of multiple units.

With excellent compatibility, it seamlessly integrates with automated production lines.

Applicable products:

Suitable for hollow core, induction, camera, surveillance, lens conversion, card reader, earphone, door access control, ID card, IC card, toy rocker, coin-operated, wireless charging, wireless transceiver, anti-theft public transportation card, keychain, mobile speaker, loudspeaker, inductive magnetic levitation, medical inductors, brushless motors and other self-adhesive coils.

Machine parameters:

name	parameter	name	parameter
model	GWB-90-01	Applicable coils	Outer diameter: Max.ø280 mm Wire winding: Max. 35mm
principal axis (S)	750W motor stop accuracy: $\pm 0.1^\circ$; Decomposition capacity: 0.1°	Shape of the winding	Circular / irregular
Shaft rotation	Max : 3500rpm	Applicable wire diameter	Single strand wire ø0.02 mm ~ 1 mm multi strand wire Max.ø0.18x90 strand
Axis direction	Clockwise/counterclockwise	source	AC220V $\pm 10\%$ single-phase 50/60Hz
Strand shaft (X)	200W motor decomposition capacity: 0.001mm	It consumes electricity	Approximately 2.0 kVA
Wire winding width axis (Y)	400W max25mm; decomposition capacity: 0.001mm	air supply	$\geq 0.4\text{MPa}$
input mode	Human interface (8 inch control panel)	Specifications (length * width * height)	1000×700×1400mm
Number of control shafts	Three shafts	weight	About 280KG

*The spindle speed and applicable coil vary according to product parameters and specifications.



Machine Image:



Production Diagram:

