

The **DSW-01DW** is a high-precision CNC winding solution designed for R&D labs and small-scale production, delivering industrial-grade accuracy in a space-saving benchtop design.

SPINDLE
Single Spindle

MAX SPEED
12,000 RPM

WIRE DIA.
Ø0.03 - 0.10mm

CONTROL SYSTEM
CNC 4-Axis Control

HIGH-SPEED PRODUCTION (12,000 RPM)

Achieves rapid production for ultra-fine wires without sacrificing precision or coil quality.

DUAL-STAGE TENSION SWITCHING

CNC-controlled pneumatic tension switching ensures stability for fragile and standard wire gauges.

WIRE BREAKAGE DETECTION

Real-time sensors stop the machine immediately upon detection to minimize material loss.

INTERLOCKED SAFETY GUARD

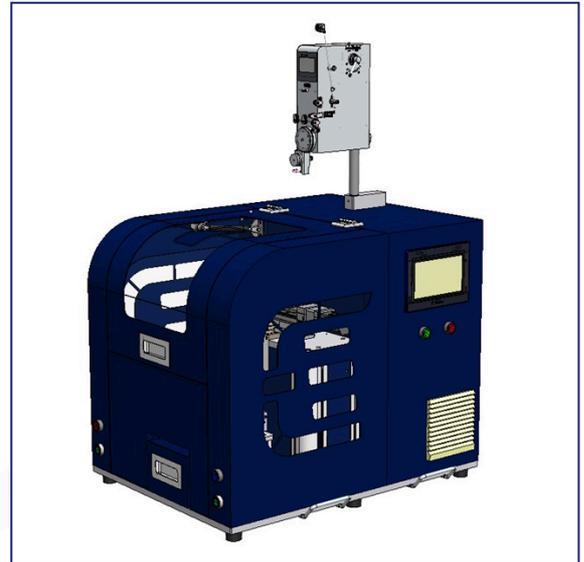
Industrial-grade safety enclosure with magnetic interlocks for maximum operator protection.

COMPACT BENCHTOP CNC DESIGN

Industrial-grade accuracy in a space-saving structure with an intuitive programming interface.

SINGLE SPINDLE PRECISION WINDING

Delivers tight coil tolerances and repeatable results for high-precision components.



PERIPHERAL OPTIONS:

- ✓ CE Certification
- ✓ Safety Guard
- ✓ Wire Breakage Detection
- ✓ Dual-Stage Tension Switching
- ✓ Twisting Mechanism
- ✓ Cutter Mechanism
- ✓ Hot Air Bonding System



PRODUCT PAGE

Technical Overview: The DSW-01DW offers exceptional versatility for diverse production needs, from standard inductors to complex micro-coils. Its advanced 4-Axis CNC system provides the flexibility to handle intricate winding patterns with ease, while the high-speed spindle system ensures long-term stability and repeatable precision.

Servo Stroke	X: 50 / Y: 50 / Z: 50 mm	Accuracy	Disp: 0.01mm / Angular: ±0.5°
Winding Range	Max Ø10 mm / Width 20 mm	Power Source	1Φ 220Vac 50~60Hz 1.5KW 6.8A
Infrastructure	Air: 0.4~0.6Mpa	Machine Weight	150kg ±10%
Dimensions	770(L) x 630(W) x 640(H) mm		