

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
- 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.

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