

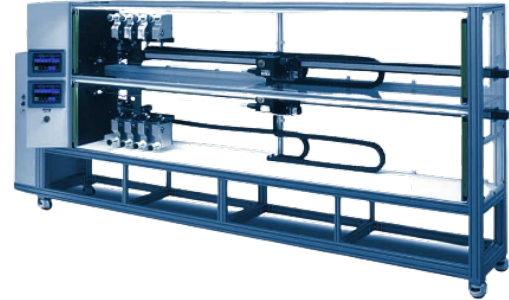


## 924 Multi Filar Coil Winder

The 924 Multi Filar Coil Winder machine uses a 2-camera vision system to wind fine filaments around a spinning mandrel and produce multi filar micro coils with up to 4 filars. EBD coil winders allow **exacting control of all winding parameters**, including programmable wire tension – capable of tight precision down to extremely low values.

Wind coils down to .001" diameter wire on a .010" mandrel using our **innovative closed loop filar tension** control system.

Combinations of **menu-selectable variable** and **tight-pitch wind capability**, plus single, multi-filar, variable and continuous mandrel length, machine vision and other custom features are available.



### KEY FEATURES

- Filament .001" to .015" limit travel distance & mandrel length in recipe setting
- Filament slack control that maintains tension at all wind speeds
- Store up to 250 process recipes shared between two-heads
- DIN 100 filament spool size capable
- Brushless servo drives on traverse and both mandrel ends (no back shaft)
- Recipe edit menu allows up to 30 repeating combinations of any pitch, angle, direction, speed, tension and length.
- Recipe steps can ramp pitch between set points (plus angle ramp with vision option)
- Alphanumeric color touchscreen display for program entry and status displays

### SPECIFICATIONS - 4 HEAD MULTI-FILAR

**Spool size:** DIN 100 maximum

**Input power:** 208-240 VAC, single phase with ground, 50/60 Hz. Full load 16A, 20A service.

**Weight:** 1,450 pounds

**Dimensions:** 167" L x 31" W x 75" H

**Mandrel size:** .250 diameter max

**Travel:** Adjustable zero to 106" (269 cm) with suitable winding accessories & 2" mandrel stretch

**Filament size:** .001" to .015" round solid or tube, or ribbon or metal - 1 to 4 filars per head

**Wind speed:** Up to 75 RPS and 10 in/sec traverse speed

**Filament tension:** Configurable ranges from 5g min up to 75g max

**Mandrel tension:** Automatically controlled by a stepper motor. Configurable ranges from 45g min up-to 32Kg max

**Mandrel length:** Adjustable from 21" to 116" (53 to 294 cm)

**Optional angle control:** +10°/-30°. with +/- 0.02° resolution

**Compliance:** Built to CE and NFPA 79 standards