



WIRE & SMART-TEXTILE CORDING

# CONDUCTRA-9

Model FT-901+1PD

Embroidered wires, sensors, heating elements — the smart-textile workhorse.

A nine-needle flat head paired with a single PD (taping) head, configured for couching continuous wire, CNT thread, and conductive cord under engineered stitch paths. The platform that turns embroidery into an electrical assembly process.

### WHY THIS MACHINE

Drop a 28 AWG copper wire under flat stitch, route a meander, and you have a heated panel. Swap to CNT thread and you have an antenna. Add a piezoresistive thread and you have a pressure sensor. One machine, one workflow, the entire smart-textile stack.



Couched wire heating element

### CAPABILITIES

- Couches 20–42 AWG copper wire and 16 µm CNT thread
- Electrical envelope: 3 V – 55 V, 1 mA – 15 A
- Heating elements — car seat heaters, deicers, heated jackets
- Integrated laser cutter for trimmed-edge encapsulated conductors
- Three-bead sequin head for hybrid decoration + function

### IDEAL FOR

Heated-apparel makers, smart-textile startups, e-textile research groups, deicing / heated-surface developers.

### SPECIFICATIONS

Configuration	9 needles × 1 flat head + 1 taping (PD) head
Functions	Flat • Cording • Taping • Three-bead twin sequin • Laser cutting
Embroidery area	650 × 1200 mm
Maximum speed	1,200 spm
Control	12" colour touchscreen LCD
Special equipment	Three-bead twin sequin device, laser cutting device
Power	Standard 120 V — quiet operation
Machine size	2,470 × 1,630 × 1,600 mm
Net weight	650 kg

**SAMPLING** Bring your spec — we'll stitch a sample on this platform at our Albany showroom.

**PRICING** Contact for current pricing — tariffs included; rent-to-own available.