



CHENILLE BIOSIGNAL ELECTRODES

# NEUROSTITCH-12

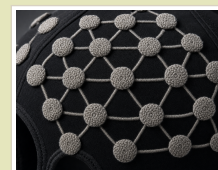
Model FT-1201+1CT

Soft, high-surface-area electrodes for EEG, EMG, and ECG.

A flat head paired with a dedicated chenille / chain-stitch head — purpose-built for out-of-plane electrode geometry while a second head prints insulating lead routing on the same workpiece in one setup.

### WHY THIS MACHINE

Chain stitch lifts conductive thread off the fabric in tight loops, multiplying skin contact area. Dry electrodes match the performance of wet sensors with none of the gel and none of the rigid PCBs. Print electrode + lead routing on one workpiece — no separate assembly step.



Hex chain-stitch electrode array

### CAPABILITIES

- Electrode geometries from 0.5 cm × 0.5 cm to 100 cm × 100 cm and larger
- Any side, any shape — hex arrays, rings, disks, custom outlines
- Conductive chenille for skin contact + insulating flat for leads
- Silver-plated nylon, carbon nanotube, kevlar conductive threads
- Combined fine + bulky decoration in one setup

### IDEAL FOR

Neuroscience labs, BCI startups, wearable biosensor companies, sports physiology groups.

### SPECIFICATIONS

Configuration	12 needles flat head + 6-needle chenille (CT) head
Functions	Flat • Chenille • Chain stitch
Embroidery area	560 × 1200 mm
Cap embroidery area	280 × 60 mm
Maximum speed	1,000 spm flat • 700 spm cap
Stitch length	0.1 – 12.7 mm
Head distance	350 mm
Control	10" colour touchscreen LCD
Voltage	Standard 120 V
Net weight	650 kg
Machine size	2,470 × 1,630 × 1,600 mm

**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.