



COMPOSITE TOW PLACEMENT • SAMPLE SCALE

COMPOSITRA-9

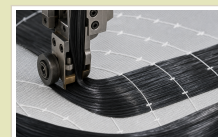
Model FT-901+1PD

Sample-scale tailored fiber placement — design and iterate before production.

The same FT-901+1PD platform configured for tow placement R&D — develop and iterate fiber paths, evaluate tow size, and prove a preform geometry before scaling to the 4-LPD production line.

WHY THIS MACHINE

Composite design groups can sketch a load path, stitch a preform, infuse it, test it, and revise — in a single afternoon. When the design is locked, the same DST file scales to TOWFORGE-4 for four-up production.



Sample-scale tow placement

CAPABILITIES

- Tow sizes 1K through 52K — carbon, glass, basalt, natural fiber
- Flat preforms that drape onto curved tooling
- Engineered fiber orientation along principal stress directions
- Hybrid layups: tow + couched wire + flat conductive thread
- Integrated laser cutter for net-shape preforms

IDEAL FOR

Composite R&D, aerospace structures groups, university composites programs, motorsports innovation labs.

SPECIFICATIONS

Configuration	9 needles × 1 flat head + 1 taping (PD) head
Functions	Tow placement • Flat • Cording • Laser cutting
Embroidery area	650 × 1200 mm
Maximum speed	1,200 spm
Tow range	1K – 52K (carbon, glass, basalt, natural)
Control	12" colour touchscreen LCD
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.