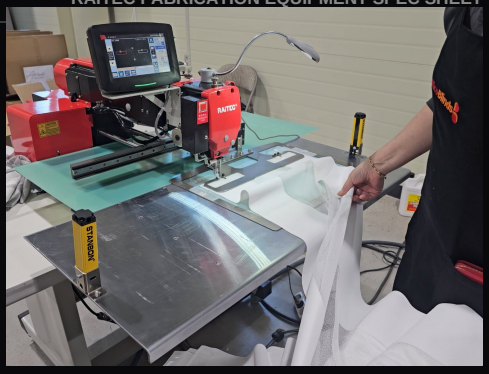


PRODUCT BRIEF // FABRICATION EQUIPMENT

RAiTEC Fabrication Machines.

The precision equipment behind every Petala Sheer panel.

OVERVIEW

The Petala Sheer Raw Materials Program gives fabricators access to three purpose-built RAiTEC machines — enabling complete in-house panel production, from raw fabric roll to finished couture-grade vertical, with zero third-party fabrication dependency.

01 — PRECISION CUTTING MACHINE

MACHINE	RAiTEC Precision Cutting Machine
MAX PANEL LENGTH	Up to 7 meters per panel
CUT METHOD	Precision blade — automated carriage feed
FEED SYSTEM	Motorized conveyor with pneumatic end-stop
FUNCTION	Cuts sheer vertical fabric panels to finished length
COMPATIBILITY	Purpose-built for Petala Sheer fabric system

02 — NONWOVEN ADHESIVE MACHINE

MACHINE	Nonwoven Adhesive Bonding Machine
FUNCTION	Bonds washable non-woven backing to face fabric
PROCESS	Heat adhesive lamination
OUTPUT	Washability-ready composite fabric panel
COMPATIBILITY	Engineered for Petala Sheer fabric construction

03 — CARRIER SEWING MACHINE

MACHINE	RAiTEC Carrier Sewing Machine
BRAND / MANUFACTURER	RAiTEC® (owned by Rico)
FUNCTION	Attaches Sew-on Couture Luxury Clips to fabric panels
CLIP METHOD	Sewn-on — not snapped or clamped
THREAD OPTIONS	Matching or contrasting yarn — operator's choice
PANEL TYPE	Shape-memory sheer vertical fabric
WASH COMPATIBILITY	Machine-washable on wool cycle — clips stay on

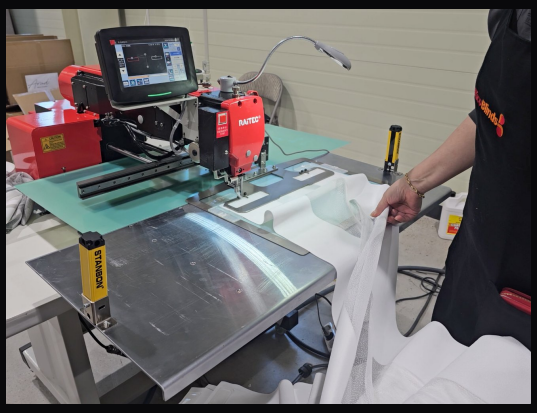
THE SEW-ON COUTURE LUXURY CLIP ADVANTAGE

Sewn on. Not snapped on. That difference is everything.

The RAiTEC carrier sewing machine is the hardware behind one of the Petala program's most powerful competitive advantages: the Sew-on Couture Luxury Clip. Where the competition relies on basic clear-plastic gator clips snapped onto fabric, Petala operators sew a soft, flexible, washable clip directly onto each panel — with precision and consistency across every unit produced.



RAiTEC Precision Cutting Machine — fabric feed table, up to 7m per panel.



RAiTEC Carrier Sewing Machine — Sew-on Couture Luxury Clip attachment.

01 Washable by design.

Sew-on Couture Luxury Clips survive repeated machine-wash cycles (wool cycle) without damage — sewn on, not clipped. Finished panels wash as a single unit.

02 Contrasting thread as a design tool.

Operators choose contrasting yarn thread colors to sew the clips onto panels. The visible stitching becomes an intentional architectural detail — premium and exclusive to Petala.

03 Couture finish vs. commodity clip.

Side-by-side with a standard plastic gator clip, the Petala panel reads as a fundamentally different product. Premium positioning becomes a visual story, not just a claim.

04 RAiTEC precision — zero variance.

The machine places and stitches each clip in exactly the same position, panel after panel — critical consistency for multi-panel installations.

COMPATIBILITY NOTE

RAiTEC machines are purpose-engineered for the Petala Sheer program.
Heliotec facilitates machine access for qualifying Raw Materials Program operators.

HELIOTEC | Where Light Meets Design

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