PRODUCT BRIEF // FABRICATION EQUIPMENT

RAiTEC Fabrication Machines.

The precision equipment behind every Petala Sheer panel.

COUTURE LIGHT. ENGINEERED FOR THE TRADE.



THE COMPLETE FABRICATION SUITE

Three machines. One complete program.

Customers who want to fabricate the Petala Sheer in-house need three specialized machines. Together, they enable the full production workflow — from raw fabric roll to finished couture-grade panel — with the precision and consistency the program demands.

01

Precision Cutting Machine

Cuts fabric panels to exact length. Handles up to 7 meters per panel with precision and repeatability.

02

Nonwoven Adhesive Machine

Bonds the washable non-woven backing to face fabric. A foundational step for panel washability.

03

Carrier Sewing Machine

Attaches Sew-on Couture Luxury Clips to panels using the RAiTEC automated sewing platform.

CUTTING MACHINE

Fabric cut to spec. Every time.

RAiTEC's precision cutting machine handles fabric panels up to 7 meters in a single pass. Feed, position, cut — with the consistency required to build a couture-grade vertical program at scale.

MACHINE	RAiTEC Precision Cutting Machine
MAX PANEL LENGTH	Up to 7 meters per cut
CUT METHOD	Precision blade — automated carriage feed
FUNCTION	Cuts sheer vertical fabric panels to finished length
COMPATIBILITY	Purpose-built for Petala Sheer fabric



CUTTING MACHINE // IN OPERATION



Automated carriage feed with multi-blade cutting head for precision fabric positioning.



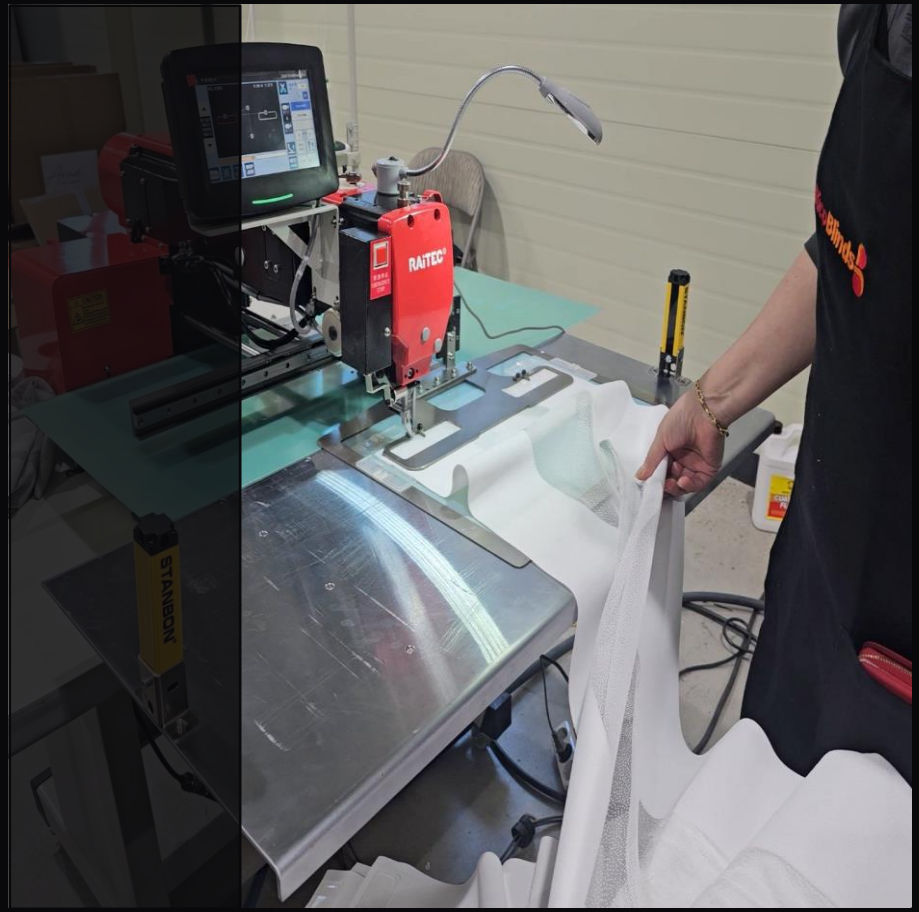
Extended feed table handles panels up to 7 meters. Pneumatic end-stop mechanism ensures repeatability.

CARRIER SEWING MACHINE

The machine that makes it couture.

The RAiTEC carrier sewing machine precisely attaches Sew-on Couture Luxury Clips directly onto the fabric panel. This process is what separates the Petala Sheer from every other sheer vertical on the market.

MACHINE	RAiTEC Carrier Sewing Machine
BRAND	RAiTEC® (owned by Rico)
FUNCTION	Attaches Sew-on Couture Luxury Clips to fabric
CLIP METHOD	Sewn-on — not snapped or clamped
THREAD OPTIONS	Matching or contrasting — customer's choice
PANEL TYPE	Shape-memory sheer vertical fabric



THE COUTURE 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.

Sewn to last.

The Sew-on Couture Luxury Clips are made from a soft, flexible material that survives repeated machine-wash cycles (wool cycle) without damage — because they're sewn on, not clipped.

Contrasting thread = intentional design.

Operators can choose contrasting yarn threads to sew the clips onto panels. The stitching itself becomes an architectural detail — visible, intentional, premium. No competitor clip can offer this.

Elevated finish, defensible positioning.

Where the competition sells a basic clear-plastic gator clip that snaps onto fabric, Petala delivers a sewn couture attachment. The result is a shade that looks and feels higher-end at every price point.

RAiTEC precision. Zero variance.

The carrier sewing machine places and stitches each clip in exactly the same position, panel after panel. Consistency at scale — critical for multi-panel installations.

COMPETITIVE POSITIONING

Your clip tells the story before you say a word.

Side-by-side, the difference is visible. The RAiTEC sewing machine is the tool that makes this distinction real — not just a claim.

STANDARD COMPETITOR

Basic plastic gator clip

- Clear plastic — looks cheap at close range
- Clips onto fabric — can slip or deform
- Not washable — clip must be removed before washing
- No design expression — functional only
- Commoditized — every competitor uses the same clip

PETALA SHEER

Sew-on Couture Luxury Clips

- Soft, flexible material — premium look and tactile feel
- Sewn on by RAiTEC machine — permanent, precise, no slippage
- Machine-washable on wool cycle — clips stay on
- Contrasting thread options — design becomes a feature
- Defensible differentiator — no commodity equivalent

PROGRAM ENABLEMENT

Fully outfitted. Ready to produce.

Operators who acquire the complete RAiTEC equipment suite can fabricate the full Petala Sheer program in-house — from raw fabric to finished couture-grade panel — with zero dependency on third-party fabrication.

01

Cut

Precision cutting machine cuts sheer vertical panels to the exact finished length — up to 7 meters.

02

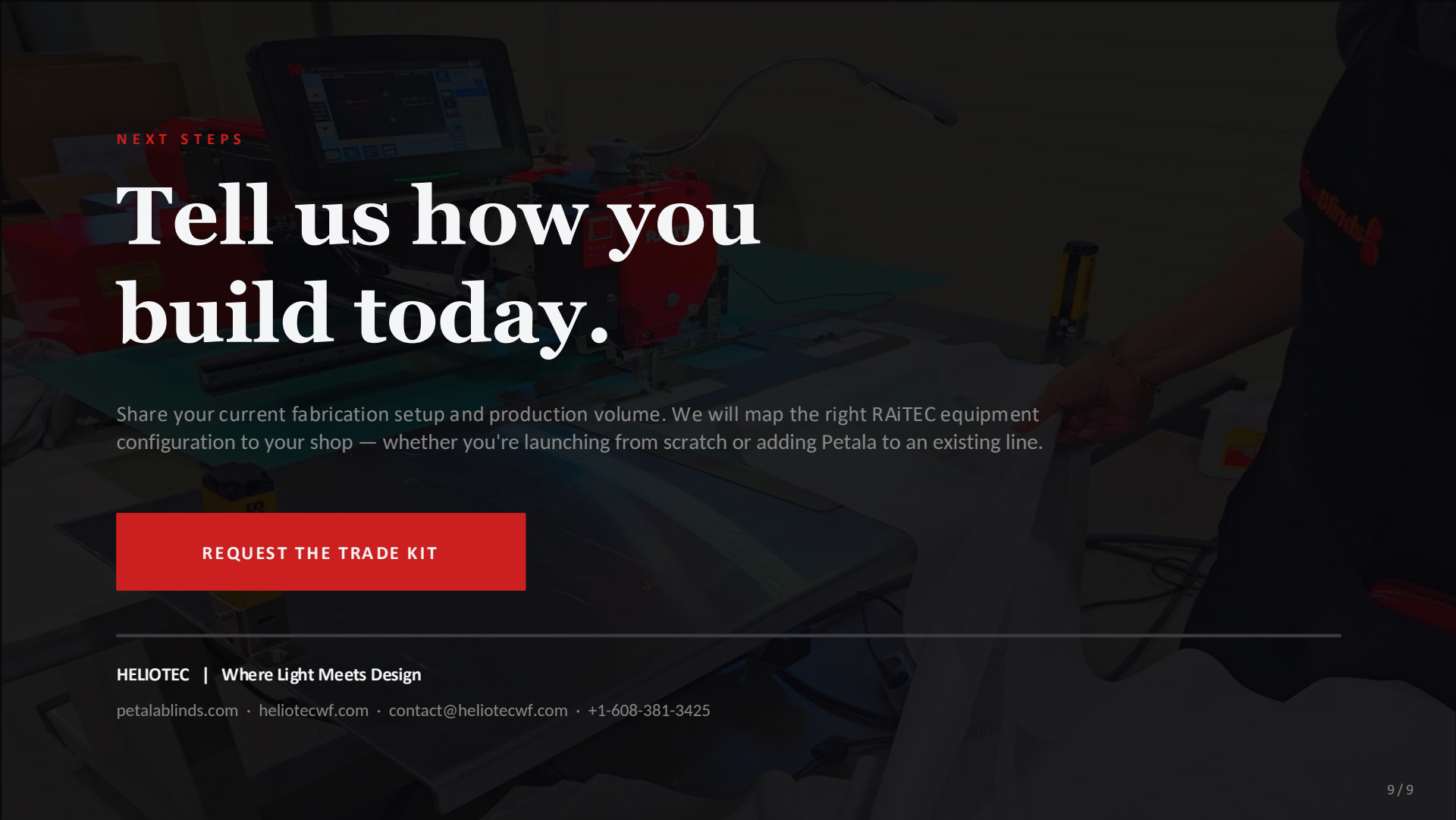
Bond

Nonwoven adhesive machine laminates the washable non-woven backing to the face fabric for wash durability.

03

Sew

RAiTEC carrier sewing machine attaches Sew-on Couture Luxury Clips with precision thread placement.



NEXT STEPS

Tell us how you build today.

Share your current fabrication setup and production volume. We will map the right RAiTEC equipment configuration to your shop — whether you're launching from scratch or adding Petala to an existing line.

REQUEST THE TRADE KIT

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