

Virga Fashion — On-Demand, Single-Ply Digital Cutting for Fashion

Produce on demand with a comprehensive, integrated solution — from order reception to automatic cut launch.

HERO IMAGE PLACEHOLDER (Upload your Virga hero image and I'll replace this.)

Virga Fashion is Lectra's integrated single-ply cutting solution built for true on-demand production—from small series to one-off and made-to-measure. Coupled with Valia Fashion, Virga connects order reception to automatic cut launch, delivering fast response to trends, high agility, optimized fabric use, and fewer consumables. With >300 embedded sensors, 120 m/min cutting speed, and ~35 km blade life, Virga drives throughput with reliable quality.

Value Proposition

- **End-to-end on-demand:** Automatically trigger cutting as soon as a prepaid customer order is placed (via Valia).
- **Single-ply precision at speed:** Maintain high cut quality even at rapid throughput for individual pieces and short runs.
- **Operator efficiency:** Visual loading assistance and camera-aided placement reduce set-up time and training burden.
- **Lower consumables & waste:** Optimize fabric usage and reduce paper/plastic consumption for better sustainability KPIs.

Virga at a Glance

Up to 120 m/min cutting speed (with quality maintained).

~35 km average blade lifespan for lower downtime.

>300 embedded sensors for process reliability and data capture.

End-to-End On-Demand Workflow

PROCESS STRIP PLACEHOLDER (Order reception → automatic cut launch → loading & positioning → cutting → offloading → QC/data)

Core Features & Benefits

- **Auto-launch from orders:** Link prepaid e-commerce or client orders to immediate cut execution via Valia Fashion.
- **Single-ply excellence:** Ideal for small series, customization, and MTM with consistent part quality.
- **Visual loading assistance:** On-screen guidance for roll loading; camera-assisted fabric positioning.
- **High-throughput mechanics:** Engineering that sustains quality at speed (up to 120 m/min).
- **Embedded intelligence:** >300 sensors for telemetry, alerts, and quality assurance.
- **Low TCO:** ~35 km blade life reduces changeovers and downtime; fewer paper/plastic consumables.
- **Seamless orchestration:** Centralized schedules and KPIs through Valia Fashion for cross-site visibility.

Sustainability Highlights

- Reduce material waste through optimized cutting and precise single-ply workflows.
- Lower paper/plastic use by digitizing steps and minimizing consumables.
- Support CSR tracking with machine-level telemetry and centralized dashboards.

Product Specifications

Cutting approach: Single-ply digital cutting for on-demand apparel workflows.

Speed: Up to 120 m/min (with high quality maintained).

Sensors & telemetry: >300 embedded sensors for data collection and reliability.

Blade life: ~35 km average blade lifespan (typical).

Integration: Native coupling with Valia Fashion; centralized scheduling and KPIs.

Operator guidance: Visual loading; camera-assisted placement; on-screen controls.

Use cases: Small series, customization, MTM, one-off production.

Sustainability: Reduced consumables; fabric-use optimization.

Options & Packages

- **Valia Fashion (cloud orchestration):** Order-to-cut integration, KPIs, multi-site coordination.
- **On-demand workflow packs:** Templates for small series, customization, and MTM.
- **Service & support:** Preventive maintenance, remote diagnostics, performance monitoring.

ROI Levers (Examples)

Lever	What improves	Typical driver
Faster order-to-cut	Lead time / SLA adherence	Auto-launch + guided loading
Yield improvement	Fabric cost per garment	Single-ply optimization + accurate placement
Fewer consumables	Operational costs / waste	Paper/plastic reduction via digital workflow
Less downtime	Throughput / on-time delivery	~35 km blade life + sensor-driven alerts

Operational Best Practices

- **Loading:** Use visual assistance to ensure consistent roll alignment and tension.
- **Positioning:** Leverage camera guidance to minimize repositioning time and errors.
- **Cutting:** Monitor key KPIs (speed, quality flags) and respect blade-life guidance.
- **Offloading:** Standardize part collection and labelling to streamline downstream processes.
- **Continuous improvement:** Review sensor alerts and dashboards weekly to tune parameters.

Service & Support Programs

- Preventive maintenance schedules aligned to usage and blade-life data.
 - Remote diagnostics and fast-response assistance to resolve anomalies.
 - Performance reviews and parameter tuning to sustain throughput and quality.
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Ready to automate on-demand cutting with Virga Fashion?

Share your hero/feature images and brand assets—I'll insert them and re-export in your style.