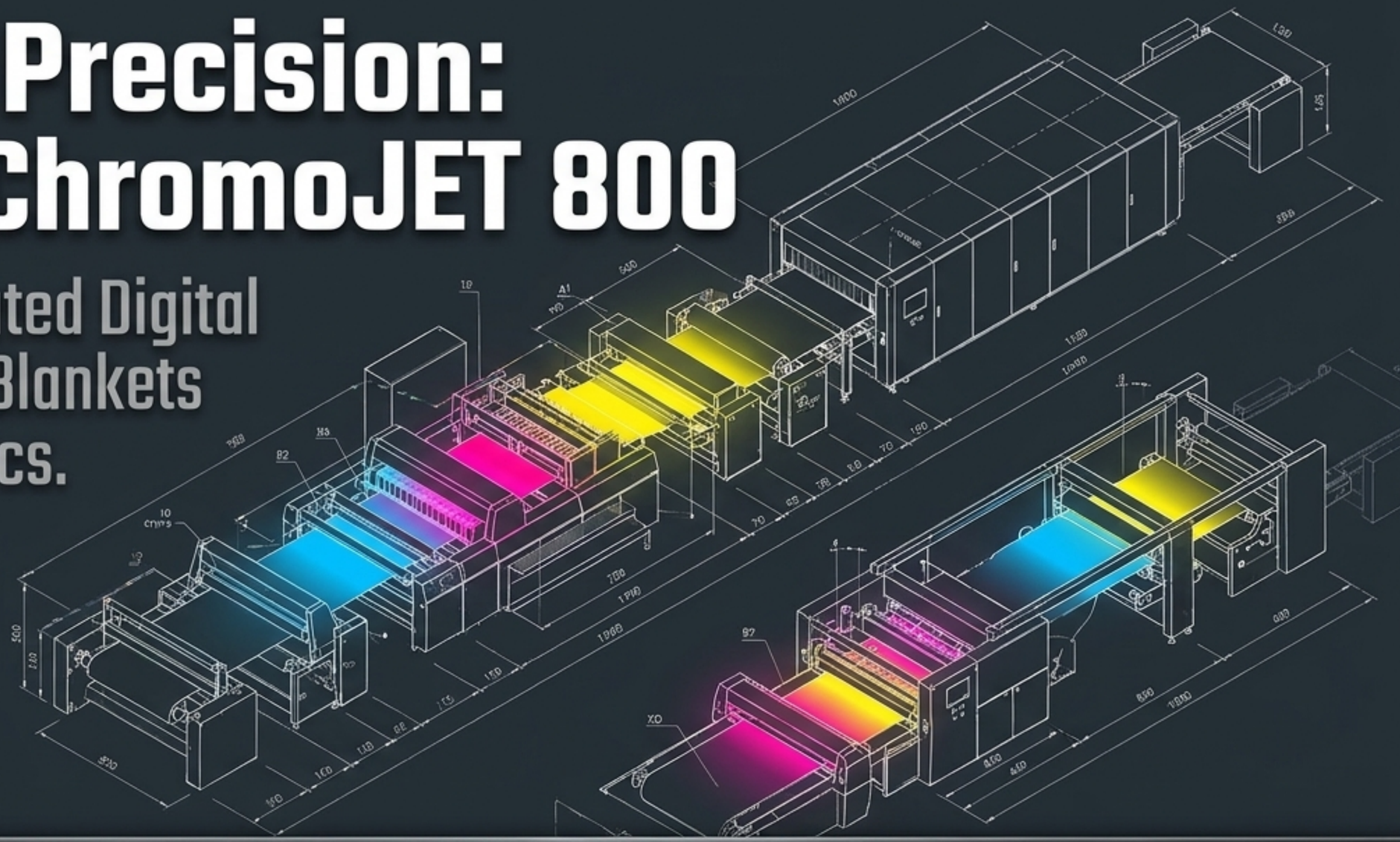
Turnkey Precision: Zimmer ChromoJET 800

Complete Integrated Digital Printing Line for Blankets & High-Pile Fabrics.



Model: M 2600 / 10240 / 10c

Status: Fully Operational Condition

[redacted]

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The Investment Thesis: Risk Mitigation Through Readiness

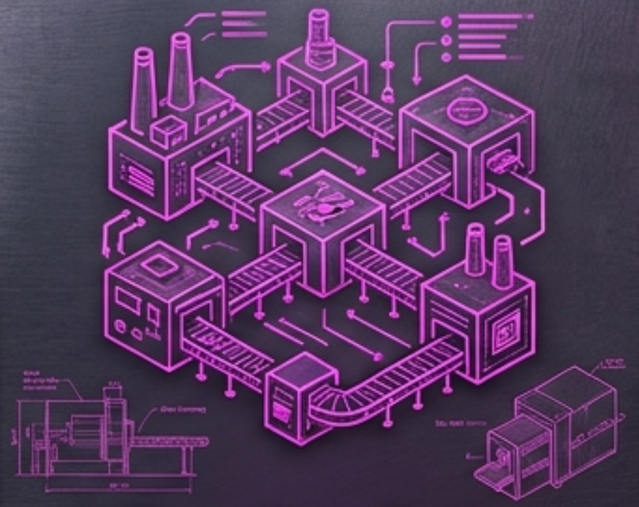


Day-One Revenue Generation

The line is in active operating condition, reliably running a **rigorous 24/5 plus Saturday schedule**. This eliminates the massive redeployment risks associated with mothballed or abandoned equipment.

ACTIVE OPERATING CONDITION

24/5 + SATURDAY SCHEDULE



A Complete Factory Ecosystem

Beyond the printer, this asset includes the entire Zimmer-engineered footprint: **Entry Pre-treatment, Suprapress Penetration, Thermocure Drying**, and the complete **CHR-FK-198 Color Kitchen**.





OEM Provenance

Installed and commissioned by Zimmer in **2014**, supported by **unbroken weekly internal maintenance**, and validated by the latest Zimmer **OEM technical calibration** completed in November 2025.

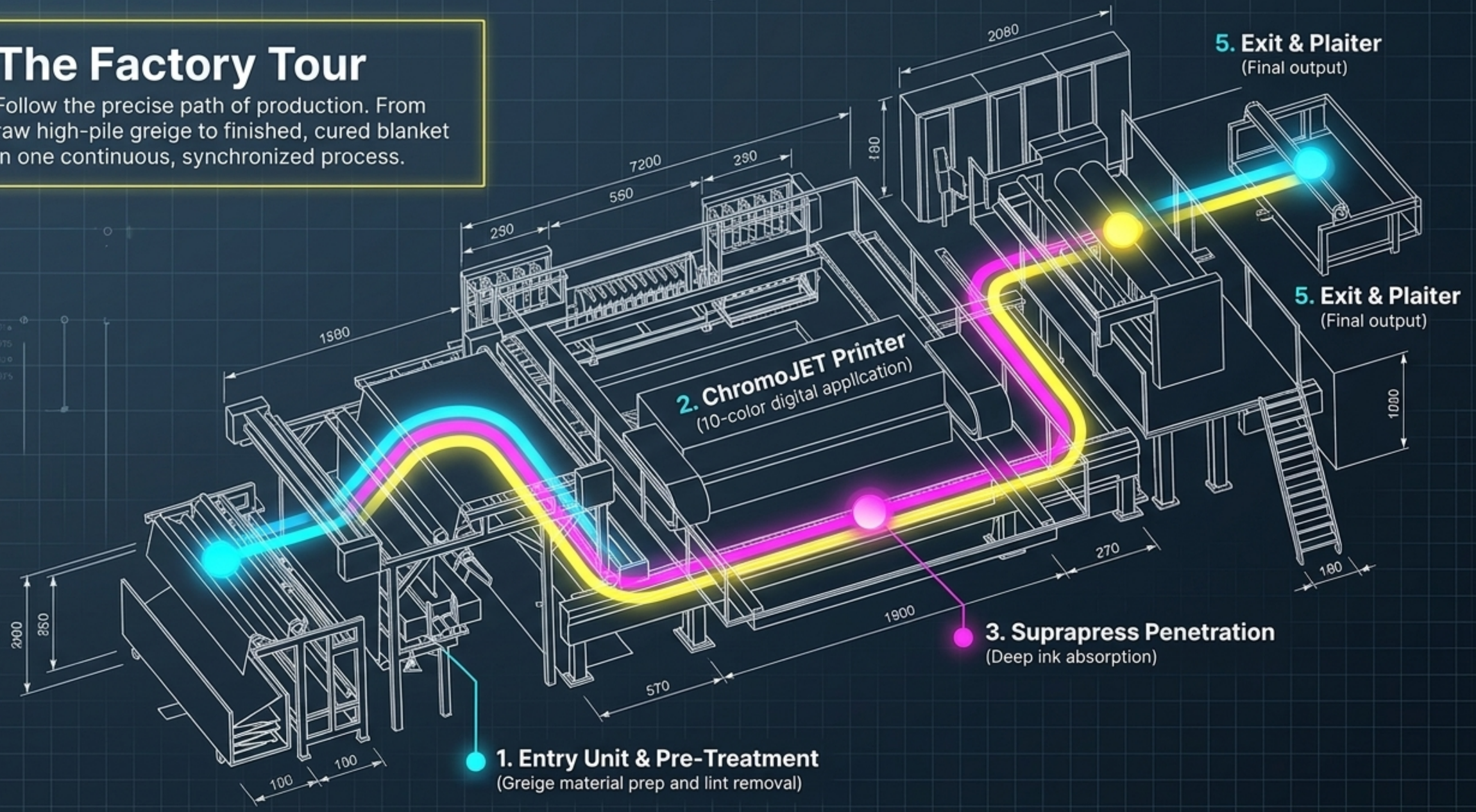
WEEKLY INTERNAL MAINTENANCE: UNBROKEN

VALIDATED: ZIMMER OEM CALIBRATION NOV 2025

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The Factory Tour

Follow the precise path of production. From raw high-pile greige to finished, cured blanket in one continuous, synchronized process.



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Stage 1: Preparation & Pre-Treatment

1. Accumulation (U-Box/J-Box)

Stores greige blanket material, providing essential buffer time for butt-seaming roll-to-roll without stopping the primary print line.

2. Lint Removal

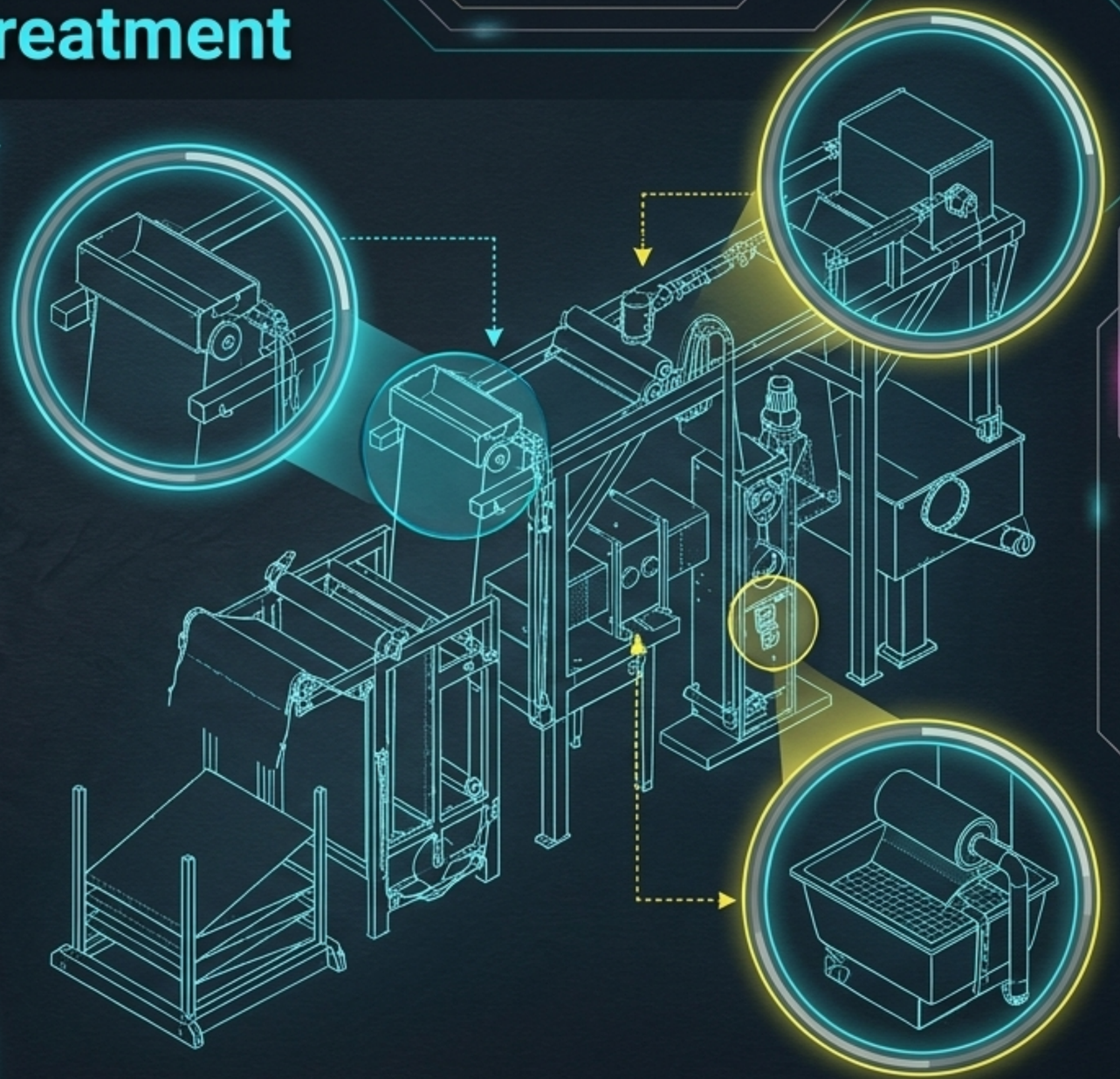
Critical mechanical brushing ensures trouble-free operation on high-pile fabrics by preventing jet contamination.

3. Pre-Wash Unit

Fabric is pulled through a soaking bath featuring a pile beating roller, followed immediately by a high-power vacuum pipe to aggressively extract spin oils, residues, and wrinkles.

4. Synchronization

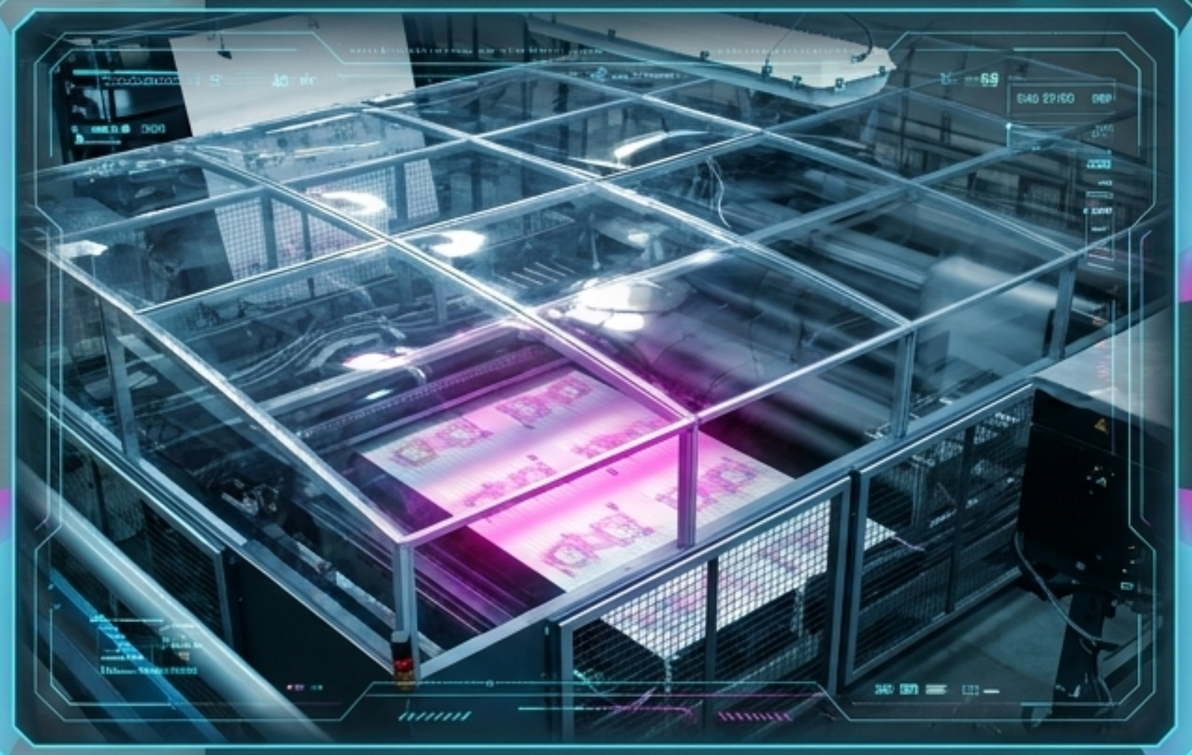
Center-guiding slat rollers and pneumatic pendulum rollers guarantee perfectly tensioned, flawless delivery to the printing blanket.



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Stage 2: The Core Engine — ChromoJET M 2600

Working Width
2.6 Meters
Engineered for wide-format high-pile blankets.



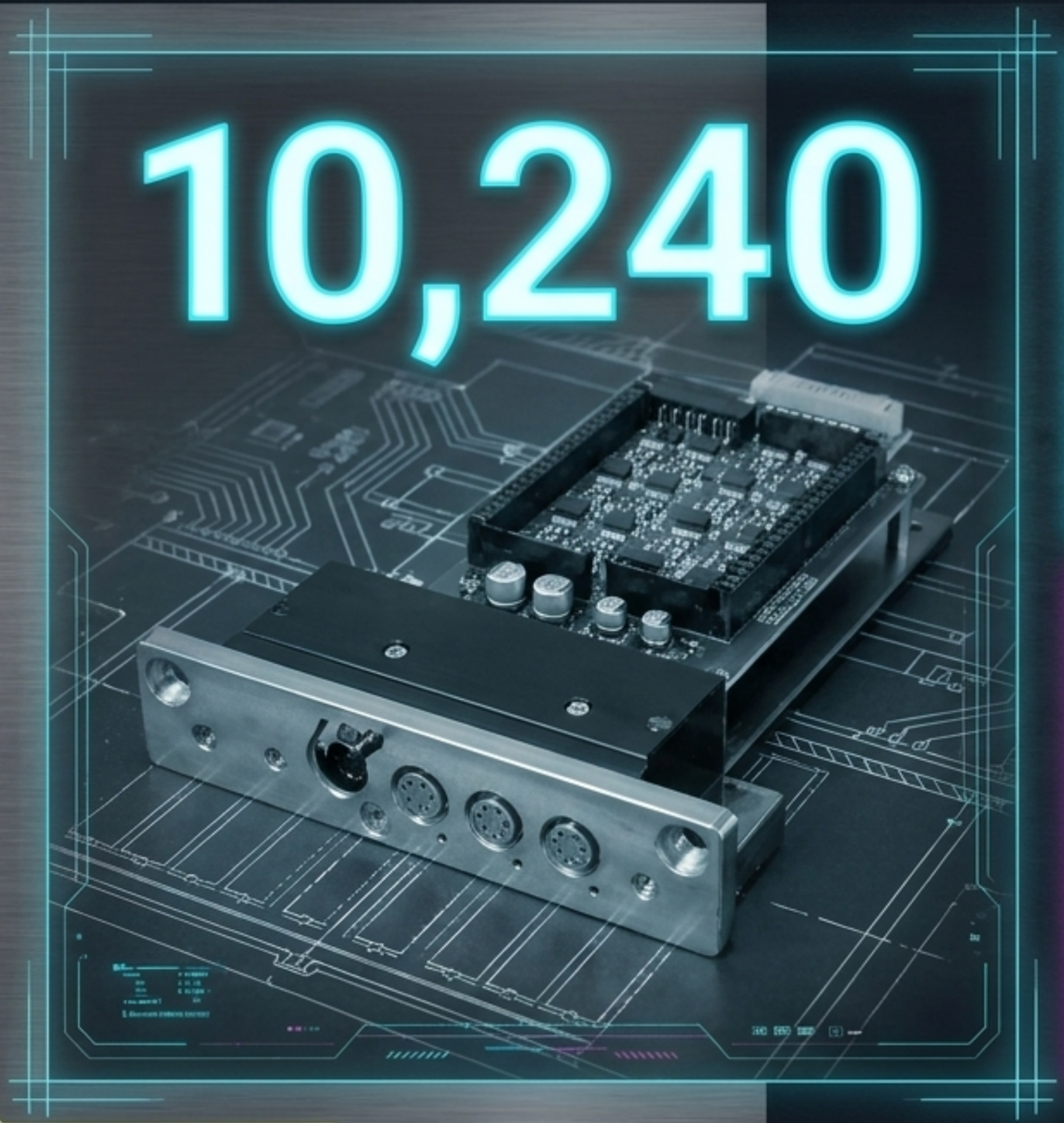
Color Architecture
10 Process Colors
Fully integrated fluid delivery system.

Production Speed
2.7 to 6.5 m/min
Line synchronization capabilities up to 12 m/min.

Substrate Stability
Wet Gluing Device
Secures blanket stability alongside automatic blanket washing to ensure pristine conditions pass after pass.

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Mathematical Precision: HSV800 Jet Architecture



10,240

Total active jets.
Architected as 1,024 independent jets per color across the 10-color system.

200 µm

HSV800 aperture size.
Exclusively engineered to deliver optimal, high-volume color deposition onto dense textile piles.

38 / 50 / 76 dpi

Selectable resolution range.
Designed to balance high-speed efficiency with uncompromising, deep visual fidelity.

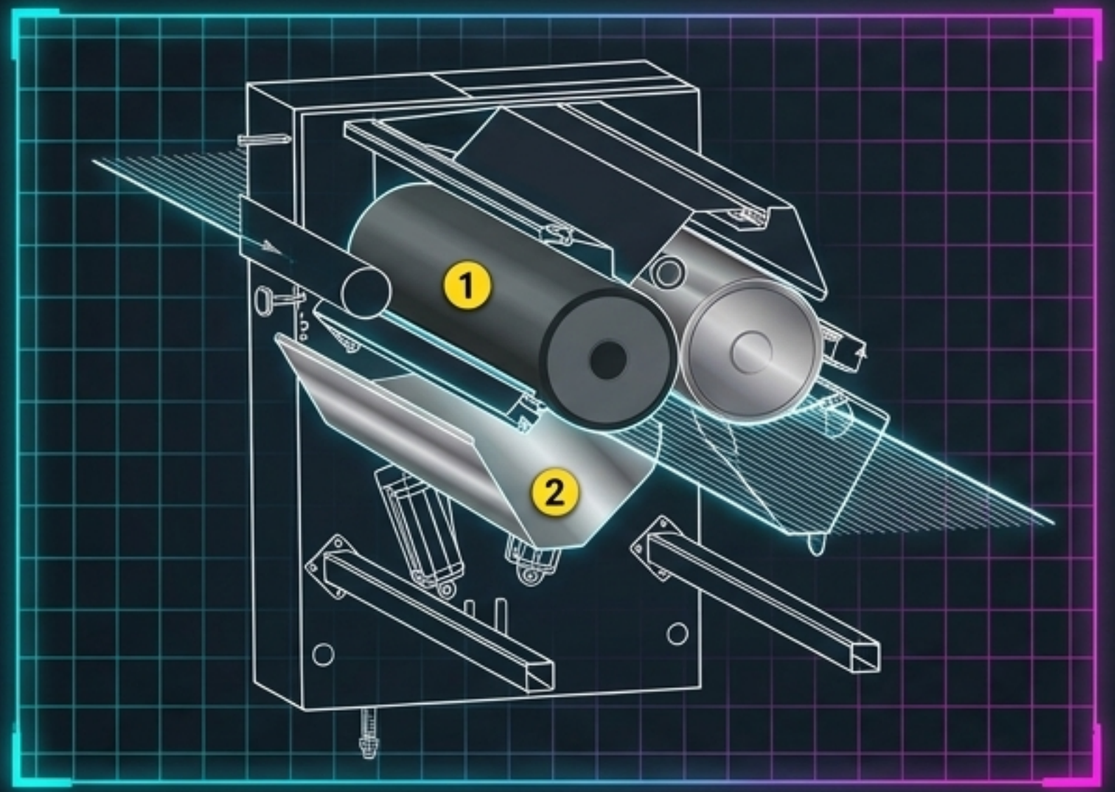
1,400 Hz

Maximum firing frequency.
Rapid opening and shutting cycles per second driving flawless, continuous color projection.

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Stage 3: Suprapress Penetration Station

The Mechanics



Fabric is pulled tightly between two high-precision pressing rollers—one rubber-coated drive roller and one nickel-plated polished roller—utilizing a mechanically adjustable slot gap.

The Benefit

Forcing the Color Deep.

For high-pile fabrics, surface deposition is insufficient. The intense pneumatic pressure generated within the Suprapress slot physically forces the printed disperse dye deep into the fabric pile, drastically improving penetration and color fastness for low pick-up applications.

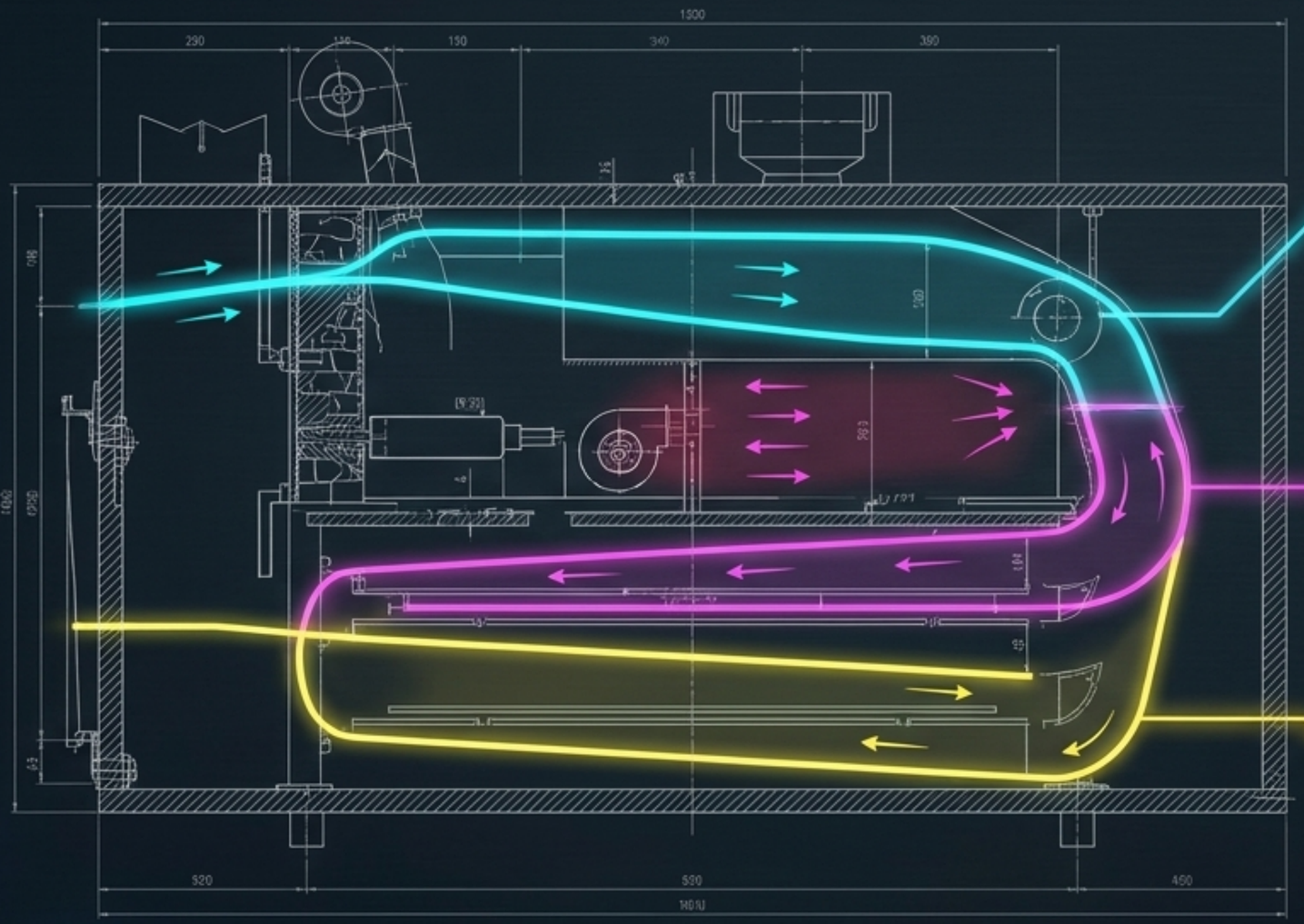
Automated Maintenance

Both rollers feature continuous, automated humidification and are scraped via dirt squeegees operating in a seesaw motion to entirely prevent color contamination.

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Stage 4: Thermocure Compact HC 3-Pass Dryer

System Profile
- Gas-heated
- 6 distinct thermal sections
- Up to 180°C operating temperature



Pass 1: Humidity Removal (Drying)

Conveyor-supported fabric enters the high-temperature zone. Initial forced air rapidly evaporates surface moisture before deep curing begins.

Pass 2: Thermofixation

Subjected to sustained 180°C forced hot air circulation. The heat permanently sublimates and fixes the disperse dye directly into the molecular structure of the polyester fibers.

Pass 3: Relaxing & Curing

A controlled thermal cool-down phase ensures the finished fabric exits the chamber stable, cured, and entirely free from tension distortions.

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Infrastructure: The CHR-FK-198 Color Kitchen

Volumetric Matrix



Thickener Mixing Capacity



Reserve Holding Tanks



Active Color Mixing

Ecosystem Details: Features full 10-color stainless steel piping, industrial strainers, dedicated washing distributors, and Sivag pumps. The kitchen feeds directly to the ChromoJET carriage's 'Last Chance' filters, governed by highly precise automated level-sensing probes.

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Unbroken Operational Provenance

2014: OEM Installation

Fully installed and officially commissioned by Zimmer, including comprehensive original operator training.

Weekly: Internal Maintenance

Strict, uncompromising weekly downtime dedicated entirely to internal cleaning, lubrication, and mechanical upkeep.

Ongoing: High-Yield Production

Reliably running a rigorous 3-shift schedule (24 hours a day, Mon-Fri, plus Saturday mornings) proving mechanical endurance.

Nov 2025: Zimmer Calibration

The most recent major technical intervention and precise resolution calibration performed directly on-site by Zimmer Austria engineers.

Parts & Support Continuity:

Direct procurement of replacement HSV-800 modules and electronic boards remains active, unbroken, and direct with Zimmer Austria.

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Comprehensive OEM Documentation



Complete Technical Library

All original physical binders, schematics, and digital manuals (CDs) are secured and officially transferred with the sale, ensuring immediate operational sovereignty.

Included Documentation:

- Operation & Jet Maintenance Manuals (CHR-P-108 / CHR-PR-103)
- Thermocure Technical Documentation & Diagnostics
- CHR-FK-198 Color Kitchen Operation Guides
- Original CE Declarations of Conformity
- Complete Electrical Wiring Diagrams
- Master Spare Parts Catalogs

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Facility Integration Parameters

Power & Energy

POWER SUPPLY:

440 V, 3 ~ 60 Hz (TN-S SYSTEM)

RATED POWER (ENTIRE LINE):

320 kVA, approx. 480 A

CONTROL VOLTAGE:

115 / 230 VAC, 24 VDC

Pneumatics & Media

AIR SUPPLY:

6 – 8 BAR CONSTANT (MIN. 10 BAR STRICTLY REQUIRED FOR FULL 2.6M PRODUCTION WIDTH), FILTERED AND DRY.

WATER SUPPLY:

3 – 4 BARS REQUIREMENT.

SPECIFIC HARDNESS (0-1 dH°) AND PH (6.5-8.0) TOLERANCES MUST BE MET.

DRYER HEATING:

NATURAL GAS HOOKUP (70 MBAR PRESSURE, MAX CONSUMPTION ~72 Nm^3/h).

Engineered for Precision

Zimmer

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ENGINEERED FOR DAY-ONE ROI.

The Zimmer ChromoJET 800 line represents a rare market opportunity: a master-class in Austrian engineering, proven through a decade of continuous high-volume production and maintained to exacting OEM standards.

- **Turnkey 10-Color Print Ecosystem**
- **Calibrated & Actively Producing**
- **Fully Documented** & Ready for Transfer

For logistics and acquisition details, contact your representative.

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