



DIGITAL TEXTILE PRINTING

**UNLEASH TRUE COLORS –
COLARIS DIGITAL INKJET PRINTER:
PRECISION, POWER, PERFECTION!**



MACHINERY MANUFACTURER

From development to lifecycle support - custom machines, advanced software, and dedicated service for your success.

ONLINE VERSION



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WE CREATE. YOU PRINT. TOGETHER, WE EXCEL.

TAILOR-MADE SOLUTIONS FOR YOUR UNIQUE NEEDS

Our machines and systems are as unique as your requirements. We're here to customize them to fit your vision perfectly. To bring your project to life, we need some key details. Tell us more about your end products and specific needs, and we'll get back to you with a solution that's just right for your success!

TELL US MORE



1874

Start of ZIMMER company
Franz Zimmer's
Erben

1955

Rotary Screen
Printer

1976

First digital printer
for carpets –
CHROMOTRONIC

1993

First computerized
rotary screen
printer

1951

Start of ZIMMER
factory site in Kufstein
flat screen duplex printer

1981

CHROMOJET
digital carpet
printing
system

2001

CHROMOTEX
digital printer
for voluminous
textiles

INNOVATIVE PRINTING SOLUTIONS TAYLORED TO YOUR NEEDS

From process development to lifecycle support – custom made digital printing systems, advanced software and dedicated services for your success.

ABOUT US



2008

COLARIS
textile printer

2015

COLARIS carpet
printing system

2012

COLARIS-NF
single pass
inkjet printer

2020

COLARIS duplex
carpet printer

2022

COLARIS
camouflage
printing system

2023

COLARIS Vision
printing system

2025

COLARIS
TuneUp
system

WE ARE #teamzimmer

150+

Years in Business

5.100+

Machines Globally

2.690+

Happy Customers

FROM VISION TO REALITY: PRECISION AT EVERY STEP



1 /

CUSTOMER FIRST

Your Needs, Our Challenge –
Innovative Solutions for You



2 /

PROCESS DEVELOPMENT

Efficiency Through Process Development –
Tailored Solutions in close cooperation with You



3 /

ENGINEERING & DESIGN

From Process to Perfection –
Engineering with Industrial Excellence



4 /

MANUFACTURING

Decades of Engineering Excellence – Your System, Crafted with Cutting-Edge Technology



5 /

ASSEMBLY & COMMISSIONING

Built Twice for Perfection – Tested in Our Facility, Commissioned at Yours



6 /

TRAINING

Training for Success – At ZIMMER Technology Center & On-Site



7 /

MAINTENANCE & SUPPORT

Reliable Support, Anytime, Anywhere – Expert Service On-Site & Online

...we keep supporting you



UNBREAKABLE PERFORMANCE PRECISION YOU CAN RELAY ON!

PRINT SMARTER. PRINT STRONGER.

Our premium printheads feature an integrated ink recirculation system for maximum efficiency. They are engineered for the toughest industrial environments. The real game-changer? They are repairable! Extend lifespan, reduce downtime.

Boost productivity like never before.

TAILOR-MADE PRINTING SOLUTIONS – BECAUSE YOUR NEEDS COME FIRST!

A ZIMMER printing system is as unique as your business – designed to meet your exact needs with precision, flexibility, and innovation.

Your vision. Your machine. Your success.

FLAWLESS PRECISION – MAXIMUM PRODUCTIVITY!

COLARIS TuneUp system is the key to fully automated trajectory adjustment and banding compensation. Bring your print quality to the next level while significantly boosting productivity. Experience unmatched accuracy, seamless operation, and superior results – every time.

Print smarter. Perform better.

MAXIMUM COLOR. MINIMAL RESOURCES.

Your printing efficiency is our challenge! Water and energy consumption are key factors in sustainable production. Our COLARIS SupraFix fixation and drying system delivers superior color yield, enhanced brilliancy, and deeper penetration – all while using a fraction of the energy compared to conventional multi-stage fixation systems.

Brilliant results. Sustainable efficiency.

COLARIS ENGINEERED FOR YOUR SUCCESS

SMARTER PRINTS. STRONGER IMPACT.

COLARIS digital printing systems are built around your production needs. Designed for reliability, precision, and efficiency, every system is configured to give you a clear edge over the competition.

KEY FEATURES AT A GLANCE:

- FUJIFILM Dimatix Starfire printheads – modular and repairable for lower long-term costs
- ReadyJet™ technology – combined with inline degassing and advanced ink circulation for maximum uptime and minimized print defects
- Automatic carriage cleaning system – keeps printheads and carriage consistently clean
- Dynamic linear belt monitoring and correction – ensures stable, accurate motion
- Crash protection – safeguards the print carriage and critical components
- Auto printhead calibration – for perfect reproduction of recurring designs
- Easy maintenance access – fast service on heads, electronics, and key components
- Tele-Maintenance – the fast way to get back into production in case of support needs
- Optional banding compensation & calibration – for top-tier print uniformity
- COLARIS Vision System – detects fabric structures or preprinted patterns to ensure perfect registration

Your requirements
define the machine



COLARIS
delivers the performance.

INK CLASSES

AT A GLANCE

SMART INK SELECTION MEANS BETTER RESULTS AND LOWER ENVIRONMENTAL IMPACT.



PIGMENT & LATEX – THE UNIVERSAL CHOICE

Best for: all fabric types (cotton, polyester & blends)

- no pre- or post-treatment
- water-based & energy-efficient
- good fastness, short process

Applications: fashion, home, technical & promotional textiles

Flexible & sustainable.



REACTIVE – BRILLIANT & DURABLE

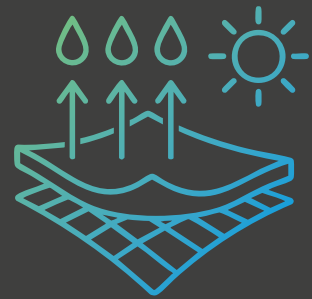
Best for: cellulose fibers (cotton, viscose, linen)

- deep, vivid color
- excellent wash & rub fastness
- sharp details

Note: Requires pre-treatment & post-wash

Applications: Premium fashion & home textiles

For top performance and long-lasting results.



VAT – MAXIMUM DURABILITY

Best for: cotton & cellulose

- extreme wash, light & abrasion fastness
- rich, deep tones

Applications: fashion, home, technical & promotional textiles

Flexible & sustainable.

MORE QUESTIONS



INK SELECTION MATTERS



fiber defines dye class



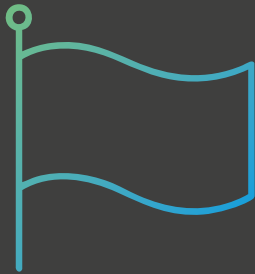
process defines sustainability



no one-size-fits-all



smart ink choice =
better results + lower impact



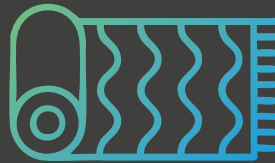
DISPERSE – VIVID PRINTS ON POLYESTER

Best for: polyester

- bright colors, sharp details
- direct or transfer printing

Applications: sportswear, flags, outdoor & flooring

The standard for high-performance synthetics.



ACID & METAL COMPLEX – PRECISION FOR DELICATES

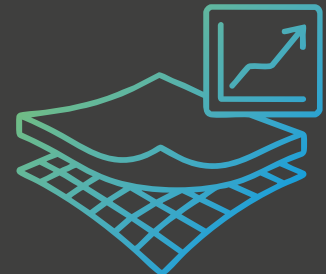
Best for: silk, wool, polyamide

- brilliant hues, soft handle
- excellent fastness on nylon

Note: requires steam fixation & post-wash

Applications: swimwear, scarves, technical textiles & carpet

When color depth and fabric feel matter.



CATIONIC – BRIGHT COLORS FOR MODIFIED FIBERS

Best for: cationic polyester, acrylic

- Intense shades with low ink use

Note: needs pre-treatment, steam fixation & washing

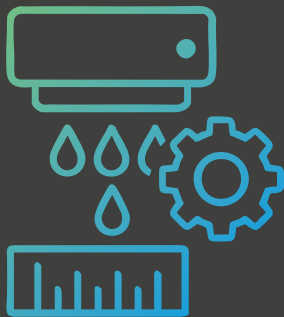
Tailored for coated or modified substrates.

**Not all inks are created equal –
the right match makes the difference.**

PRECISION IN DIGITAL PRINTING – EVERY DETAIL MATTERS!

Stable setup and resolution are key for true color accuracy. Our software-driven calibration ensures top print quality through linearization, precise color measurement, and ICC profiling.

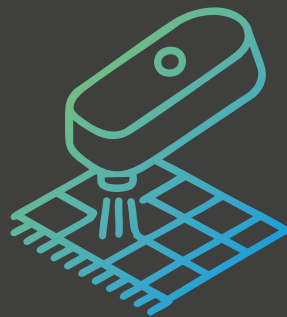
CHOOSE PERFECTION – WITH US BY YOUR SIDE!



PRINTER CALIBRATION

Precision starts with data. Reliable color measurement ensures consistent, true-to-life prints across all materials and workflows.

Precise, vibrant, and flawless!



COLOR MEASUREMENT

The Foundation of Precision in Digital Printing

Accurate measurement ensures true colors. L*a*b system guarantees consistency across all surfaces.

Precision color measurement = predictable, repeatable, and vibrant results!

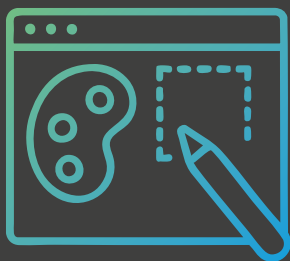


COLOR CALIBRATION

Ensuring Consistency Across All Devices

Consistent colors need calibration. Adjust material, ink, and fixation to ensure accuracy across devices—every time!

Regular calibration means **predictable, high-quality results – every time**

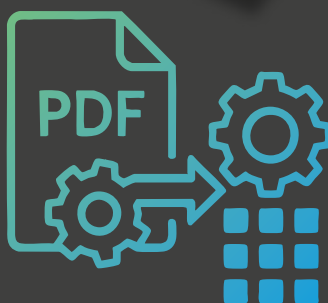


DESIGN SOFTWARE

The Right Tools for Perfect Digital Prints

Great prints start with the right software. From Adobe Photoshop™ to Adobe Illustrator™, choose the best tool for precision and creativity.

With the right software, **your creativity meets flawless digital printing!**

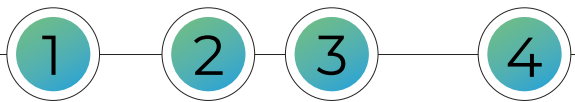


RIP PROCESS

Transforming Artwork into Print-Ready Data

RIP converts artwork into precise color channels, ensuring sharp details, smooth transitions, and accurate colors.

Great prints start with a perfect RIP!




PRINT LINE FOR PIGMENT & LATEX INKS

SMART SIMPLICITY FOR ANY TEXTILE SUBSTRATE

Pigment and latex printing offer clean, efficient solutions with waterless fixation and fewer process steps. Ideal for cotton, viscose, and blends with manmade fibers – perfect for home textiles, fashion, and interiors where fast turnaround, fiber versatility, and minimal resource use matter.

1



**A-FRAME
UNWINDER**

For maximum efficiency & minimal logistic effort

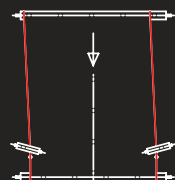
2



**FABRIC CLEANING
SYSTEMS**

Gentle & precise to process requirements

3



**FABRIC GUIDING
SYSTEMS**

Material guiding perfectly matching print substrate



5

6

TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

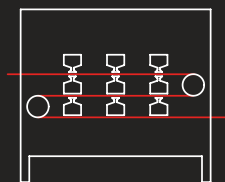
4



COLARIS PRINTER

Maximum precision for versatile textile print applications

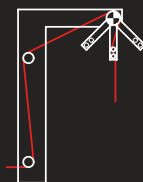
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DRYING SYSTEMS

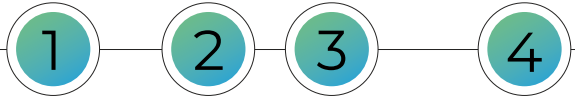
Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications



PRINT LINE FOR REACTIVE INKS

ON CELLULOSE TEXTILES

Reactive printing is renowned for its wide color gamut and brilliant results. Ideal for cotton and other cellulose-based or regenerated fibers. It's the go-to choice for fashion, lingerie, and home textiles — industries where cost-efficiency and high through-put matter most.

1

**A-FRAME
UNWINDER**

For maximum efficiency & minimal logistic effort

2

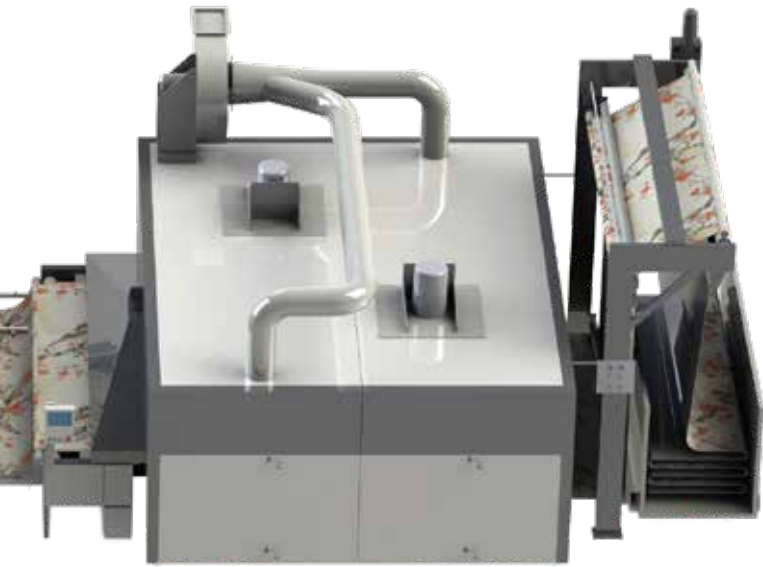
**FABRIC CLEANING
SYSTEMS**

Gentle & precise to process requirements

3

**FABRIC GUIDING
SYSTEMS**

Material guiding perfectly matching print substrate



5

6

TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

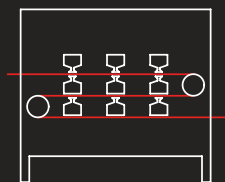
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COLARIS PRINTER

Maximum precision for versatile textile print applications

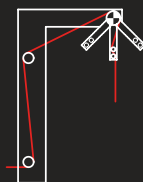
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DRYING SYSTEMS

Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications



1

2

3

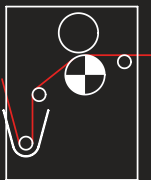
4

PRINT LINE FOR COTTON TERRY TOWEL

PRECISION MEETS EXPERTISE

Dedicated COLARIS Print Line for precise, efficient towel printing with deep color penetration, dynamic length detection, and advanced fabric handling – all in one flexible system. Optional enhancements like SupraPress and weft straighteners boost performance even further.

1



PRE-TREATMENT PADDER

Inline pre-treatment for maximum energy efficiency

2



ROLLER COMPENSATOR

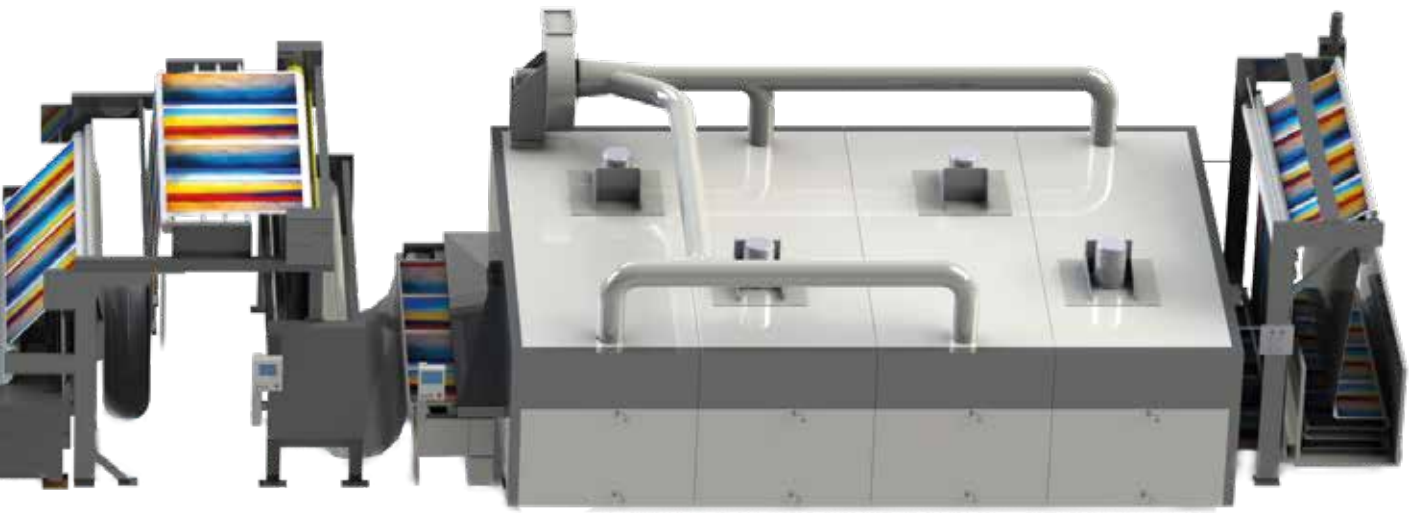
Temporary fabric storage for uninterrupted printing production

3



WEFT ALIGNMENT SYSTEM

Weft optimized fabric feeding to the printing machine



5

6

TECHNICAL DATA

working widths: 2200 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 8 per color group, or 16 per color, max. 96 possible

production capacity: scalable up to 1.100 m²/h

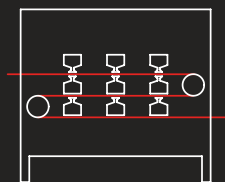
4



COLARIS PRINTER

Maximum precision for versatile textile print applications

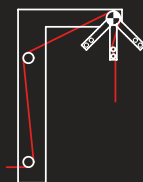
5



DRYING SYSTEMS

Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications



1

2

PRINT LINE FOR VAT INKS

DURABILITY FOR DEMANDING APPLICATIONS

For textiles facing sun, washing, and chemicals, VAT printing ensures deep, durable color on cellulose fabrics – ideal for linens, upholstery, work wear, and uniforms.

1



A-FRAME UNWINDER

For maximum efficiency & minimal
logistic effort

2



COLARIS PRINTER

Maximum precision for versatile
textile print applications



3

4

TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

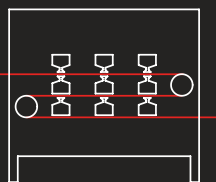
max no. of colors:

12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

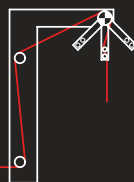
3



DRYING SYSTEMS

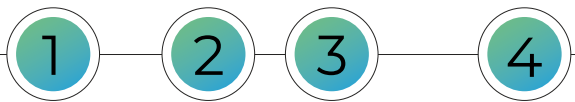
Tailored to fabric quality & customer specified heating medium

4



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications




PRINT LINE FOR DISPERSE INKS

DISPERSE & DIRECT SUBLIMATION FOR POLYESTER

Each offering specific advantages in lightfastness and energy use. COLARIS systems support both technologies and can be customized to meet your product's exact performance, efficiency, and sustainability requirements.

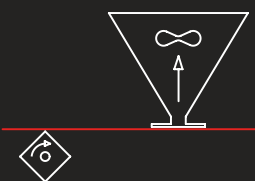
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**A-FRAME
UNWINDER**

For maximum efficiency & minimal logistic effort

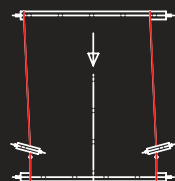
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**FABRIC CLEANING
SYSTEMS**

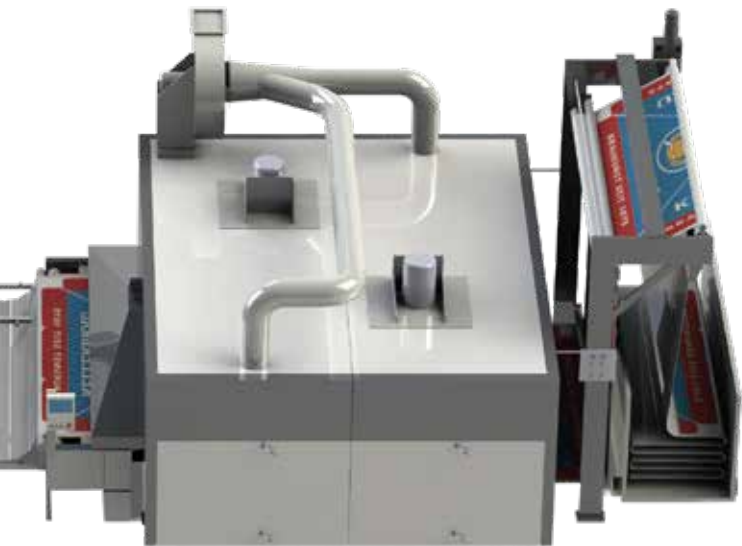
Gentle & precise to process requirements

3



**FABRIC GUIDING
SYSTEMS**

Material guiding perfectly matching print substrate



5

6

TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

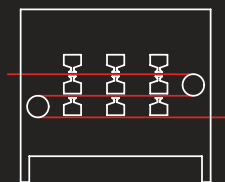
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COLARIS PRINTER

Maximum precision for versatile textile print applications

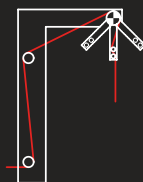
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DRYING SYSTEMS

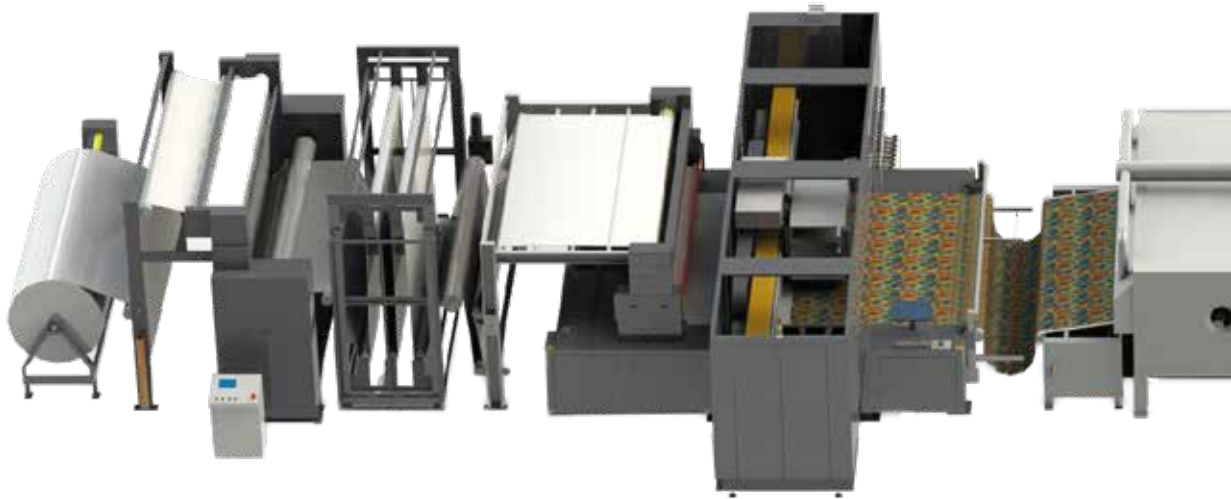
Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications



1

2

3

4

PRINT LINE FOR ACID INKS

PERFORMANCE FOR POLYAMIDE AND BEYOND

Vibrant colors and deep blacks on nylon, wool, and silk. For improved lightfastness, metal complex dyes are the choice. Combining both allows precise tuning of color brilliance and durability to match your product's specific demands.

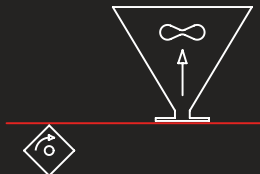
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A-FRAME UNWINDER

For maximum efficiency & minimal
logistic effort

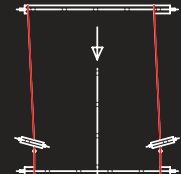
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FABRIC CLEANING SYSTEMS

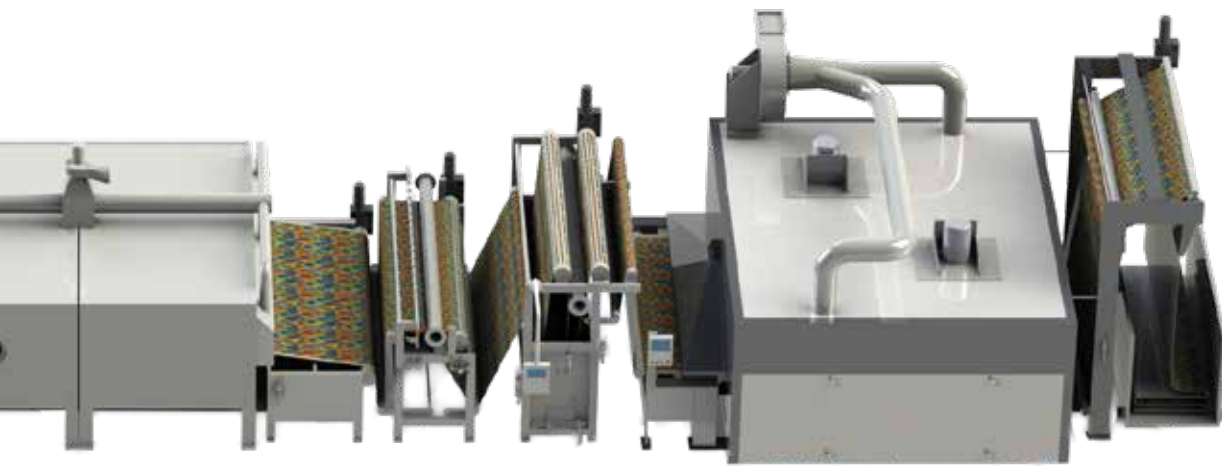
Gentle & precise to process requi-
rements

3



FABRIC GUIDING SYSTEMS

Material guiding perfectly mat-
ching print substrate



5

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TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

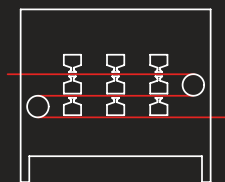
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COLARIS PRINTER

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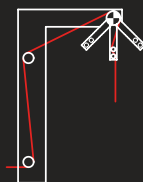
5



DRYING SYSTEMS

Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications




PRINT LINE FOR CATIONIC INKS

SMART CHOICE FOR PAN AND MORE

Cationic dyes are ideal for polyacrylonitrile (PAN) and increasingly used on modified polyester. Standard steam fixation replaces high-temperature processes, making printing more energy-efficient.

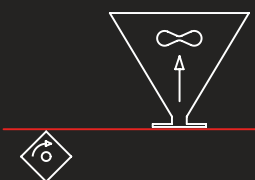
1



A-FRAME UNWINDER

For maximum efficiency & minimal logistic effort

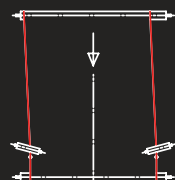
2



FABRIC CLEANING SYSTEMS

Gentle & precise to process requirements

3



FABRIC GUIDING SYSTEMS

Material guiding perfectly matching print substrate



5

6

TECHNICAL DATA

working widths: 1800 | 2700 | 3400 mm

print substrates: woven, nonwoven, knitted fabrics

max no. of colors:
12 colors or a combination of inks & functional fluids

number of printheads: up to 6 per color group, or 12 per color, max. 72 possible

production capacity: scalable up to 860 m²/h

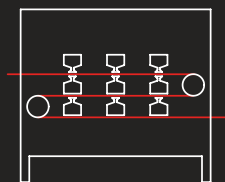
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COLARIS PRINTER

Maximum precision for versatile textile print applications

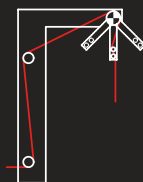
5



DRYING SYSTEMS

Tailored to fabric quality & customer specified heating medium

6



FABRIC DELIVERY

Fabric output folded or rolled to customer specifications

LINE COMPONENTS

FLEXIBLE LAYOUTS START WITH A MODULAR SYSTEM

To meet individual customer needs, a modular design is essential. A range of core components is available – here's a closer look at some of the key building blocks.



FABRIC FEEDING SYSTEM

Built for Your Fabric

Every fabric is different – our systems are too. Whether light knits or heavy wovens, ZIMMER AUSTRIA ensures smooth feed, perfect alignment, and stable tension from the first meter.

Precision in – perfection out.



COLARIS PRINTER

The Powerhouse of Digital Textile Printing

Precision, performance, and flexibility – tailored to your products, volumes, and goals. From fashion to home textiles, samples to full production - quality and efficiency, print after print.

Engineered for your success.



MULTI PASS HOT AIR NOZZLE DRYER

Compact Design. Easy Handling.

Two compartments, five passes, conveyor belt support for each pass, no leader cloth required

User Friendly. Zero Waste.



THERMOCURE HOT AIR NOZZLE DRYER

Efficient. Adaptable. Powerful.

THERMOCURE delivers top drying performance with minimal energy waste. Flexible heating options – electric, thermal oil, steam, or gas – fit your setup perfectly.

Smart drying. Made to fit.



IR-DRYER

Focused Heat. Efficient Drying.

Optimized for pigment, latex and VAT printing, the IR-DRYER delivers targeted drying with minimal air circulation. Reduced energy consumption, shorter drying times, and maximum performance.

High performance, low consumption.



MAGNOROLL

Smart. Precise. Efficient.

Precision coating for digital printing: exact chemical application, reduced consumption, and lower drying costs.

Less waste. More control.



MODUS LOOP STEAMER

One System. Brilliant Results.

Versatile fixation for all major dye types – reactive, acid, disperse, or pigment. Steam or dry heat, always precise and reliable.

Smart fixation – by ZIMMER AUSTRIA.

LINE COMPONENTS

INNOVATION MEETS EFFICIENCY

From fiber to finish – smart solutions tailored to your process. Advanced technology, resource-saving design, and reliable performance, to keep you ahead.

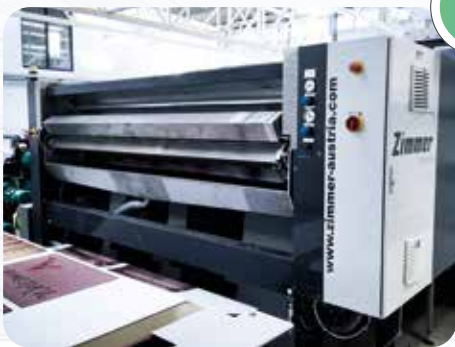


INLINE PRE-TREATMENT

Efficient. Precise. Proven.

Apply chemistry right before printing – wet-on-wet. Fewer steps, lower energy use, faster results.

Smart pre-treatment.



SUPRAPRESS

Ink That Goes Deeper

Made for bulky textiles like velour and bathmats – ensuring deep penetration, vibrant results, and reduced ink use. Smart, efficient, and built for demanding applications.

Print smarter – with SupraPress.



SHS SUPRAFIX-V

Fixation. Reimagined.

Up to 80% energy savings with low air volume, closed-loop circulation, and integrated condensation. Steaming and drying in one compact, efficient system – ready for all major dye classes.

Smarter fixation – with SHS SupraFix-V



HORIZONTAL STEAMER

Essential for Acid Dye Fixation

In inline processes, the horizontal steamer ensures efficient fixation of acid dyes on heavy fabrics. Thanks to wet-on-wet processing, fixation time is reduced and energy use minimized.

Fast fixation. Lower energy.



POST PRINT WASHER

Clean Results, Inline Ready

Depending on the dye class and product requirements, post-print washing is essential. Our inline washers are tailored for seamless integration and optimized for each dye type.

Effective washing – built for continuous production.

SPECIAL OPTIONAL FEATURES



COLARIS TUNEUP

SMART CALIBRATION FOR FLAWLESS INKJET PRINTING

Inkjet printing often suffers from visible defects caused by uneven droplet release, aging printheads, and density mismatches - especially on flat surfaces and color gradients. TuneUp by ZIMMER AUSTRIA solves these challenges for COLARIS printers with a powerful combination of hardware and software, delivering consistent, high-quality results across all ink classes.

BEFORE



AFTER





WHY TUNEUP?

- **Nozzle-Level Calibration**
Automatically balances density across all nozzles for a smooth, uniform print image.
- **Fast & Efficient**
Full calibration—including test prints—takes approx. 15 minutes, even with up to 96 printheads.
- **Simple Software Interface**
Designed for ease of use, enabling quick adaptation to new materials or print requirements.
- **Extended Printhead Life**
Partial compensation of failed nozzles maintains quality and reduces maintenance costs.
- **Digital Printhead Alignment**
Re-aligns printheads in minutes after replacements — minimal manual effort needed.

**Print smarter. Save time. Deliver perfection.
With COLARIS TuneUp.**

SPECIAL OPTIONAL FEATURES



COLARIS VISION

SEE IT. ALIGN IT. PRINT IT.

COLARIS Vision combines advanced camera systems with intelligent software to ensure perfect print alignment – fully automated and in real time.



VISION I

Detects the outlines of pre-cut or irregularly placed substrates and precisely adjusts design rotation, scale, and position. Ideal for custom-cut materials and free-form layouts.



VISION II

Recognizes existing patterns, calculates distortions, and dynamically adapts the print data. Perfect for print-to-print registration with seamless results.

Whether you're printing on loose pieces or aligning to existing designs, COLARIS Vision guarantees accuracy without manual effort.

Smart Vision for perfect precision.



WATER SAVING SYSTEM

Clean belts. Clean conscience.

Maximum efficiency through wash water recirculation. Add chemical dosing for top cleaning performance — and cut fresh water use to just a fraction of conventional systems.

Eco friendly. Cost saving. Future ready

SPECIAL OPTIONAL FEATURES

SHS SUPRAFIX-V

SUSTAINABLE – FLEXIBLE – COMPACT

Discover our special curing technology by using a combination of steam and heat – our answer to the energy discussion in the textile industry.

Comparison of curing methods:

	Calendar (oil-heated)	Hot Air Dryer (gas-heated)	SupraFix-V (electric-heated)
Installed power	80-120 kW	200-300 kW	30 kW
Operational power consumption	50-90 kWh	100-150 kWh	12-15 kWh
Heat-up time	Up to 90 min.	Up to 60 min.	Upt to 30 min.
Efficiency	20-50 %	30-55 %	85-90 %



SPECIALLY DESIGNED FOR CURING FLAT TEXTILES, OFFERING SEVERAL ADVANTAGES:

- Minimum energy consumption due to very economical drying process
- Maximum penetration by using steam
- Great fastness properties due to increased ink distribution within the fiber
- Minimized heat loss and exhaust air
- No glycol dripping on fabric
- Minimum space requirements
- Lower water consumption
- Suitable for all ink classes (Pigment, Disperse, etc.)

SHS SupraFix-V.
Performance meets Responsibility.

LABORATORY EQUIPMENT

LAB SOLUTIONS – TAILORED TO YOUR NEEDS

In addition to complex production lines, ZIMMER AUSTRIA offers a versatile range of lab-scale printing and testing equipment – perfect for research, development, and training. Our systems are designed for hands-on use and deliver reliable results, whether for process optimization, sample production, or educational purposes.



FOR PRINT HOUSES

Optimize your print processes or create high-quality pre-run samples – our lab systems are built to meet the demands of today's printing industry with precision and reliability.



FOR CHEMICAL MANUFACTURERS

From ink formulation to process validation – our lab equipment enables accurate testing and supports your R&D every step of the way, from concept to application.



FOR SCHOOLS, UNIVERSITIES & TEXTILE INSTITUTES

Train, explore, and innovate with confidence. ZIMMER AUSTRIA lab systems offer hands-on experience in textile and carpet printing, coating, and finishing – ideal for education and research.

COLARIS 12-1200T



TECHNICAL DATA

max. printable size	1200/1200 mm
printhead model	FUJIFILM Dimatix Starfire™ nozzle versions: XSA, SA, MA, LA
color groups	up to 12 possible
ink setup	1 ink class at up to 12 colors 2 ink classes at up to 6 colors 3 ink classes at max. 4 colors

TECHNICAL DATA

working width	1200 mm
operation options	for individual pieces or continuous processing
processing options	steam fixation for dyes, post-print washing or pre-treatment application, drying or hot air curing
dyestuff classes	reactive, acid, cationic, disperse, direct sublimation, pigment

POST-PRINT PROCESSING LINE



COLARIS-IPT INK PERFORMANCE TESTER



TECHNICAL DATA

max. printing width	65 mm
printhead model	FUJIFILM Dimatix Starfire™ nozzle versions: XSA, SA, MA, LA
purpose of COLARIS-IPT	ink development, ink & printheads performance testing
customers	ink manufacturers, textile and carpet printers

FULL IN-HOUSE MANUFACTURING EXCELLENCE



FROM STEEL TO SYSTEM

ZIMMER AUSTRIA operates state-of-the-art production facilities covering the entire range of machinery and plant engineering – from welded structures and precision machining to final assembly of components and control cabinets.



HIGH- PRECISION MACHINING

Driven by the needs of textile printing technology, high-end multi-axis milling has become one of our core strengths. With machine dimensions unmatched in the region, we are a trusted partner for large-format component manufacturing.



CONTRACT MANUFACTU- RING

To ensure optimal utilization of our production capacity, we offer high-quality contract manufacturing for various industrial partners – especially in large-scale and precision parts.



QUALITY AND ASSEMBLY

Every component is subject to strict quality control and pre-assembly, guaranteeing maximum reliability in our machines and in projects for third-party clients.



CONTROL CABINET ENGINEERING

We build electrical systems that comply not only with EU standards but also with the specific regulations of our customers' target countries.



PRE-TESTED FOR GLOBAL USE

All systems are assembled and tested in-house before shipping – ensuring smooth final installation and rapid commissioning on site.

THE HEART OF PRINTING – THE PRINthead

STARFIRE™ SG1024 – PRECISION & PERFORMANCE FOR INDUSTRIAL PRINTING

ZIMMER AUSTRIA offers four models of the high-performance StarFire™ SG1024 printhead from FUJIFILM Dimatix, designed for durability and efficiency in textile and carpet printing.

KEY BENEFITS:

- Industrial Reliability – Built for long-term use
- Coated Metal Nozzle Plate – Abrasion-resistant
- High Firing Frequency – Maximized productivity
- 6 mm Print Distance – High drop velocity
- VersaDrop™ Technology – Binary & grayscale modes
- ReadyJet™ System – Continuous ink re-circulation prevents clogging
- Flexible Options – Four models with different drop sizes

StarFire™ SG1024
Precision. Performance.
Reliability.



PRINTHEAD RECONDITIONING CENTER

EXTEND PRINTHEAD LIFESPAN – REDUCE COSTS

Printheads are a major cost factor, often failing due to ink deposits or mechanical damage — not aging. Unlike conventional printheads, FUJIFILM Dimatix StarFire™ can be cleaned and restored!
High-Tech Cleaning & Repair

KEY BENEFITS:

- Advanced Cleanroom Technology – Precision tools & process-controlled stations
- Custom Cleaning & Repair – Tailored treatments for contamination & damage
- Performance Grading – Quality-rated from A to C for optimal usability

ZIMMER AUSTRIA's expert re-conditioning.

Extend printhead life, reduce waste, and optimize performance.



TECHNOLOGY CENTER - SPACE FOR INNOVATION

EXPERIENCE INNOVATION, DESIGN SOLUTIONS.

High-tech meets practice in our Technology Center: this is where we develop pioneering processes, test new applications and support our customers with expertise, experience and state-of-the-art equipment.

DEVELOPMENT & PRACTICAL TESTS

New technologies are developed at the heart of our innovation work - realistically tested on textiles, carpets and technical materials. Our systems: CHROMOJET, COLARIS and modern coating and laboratory technology.

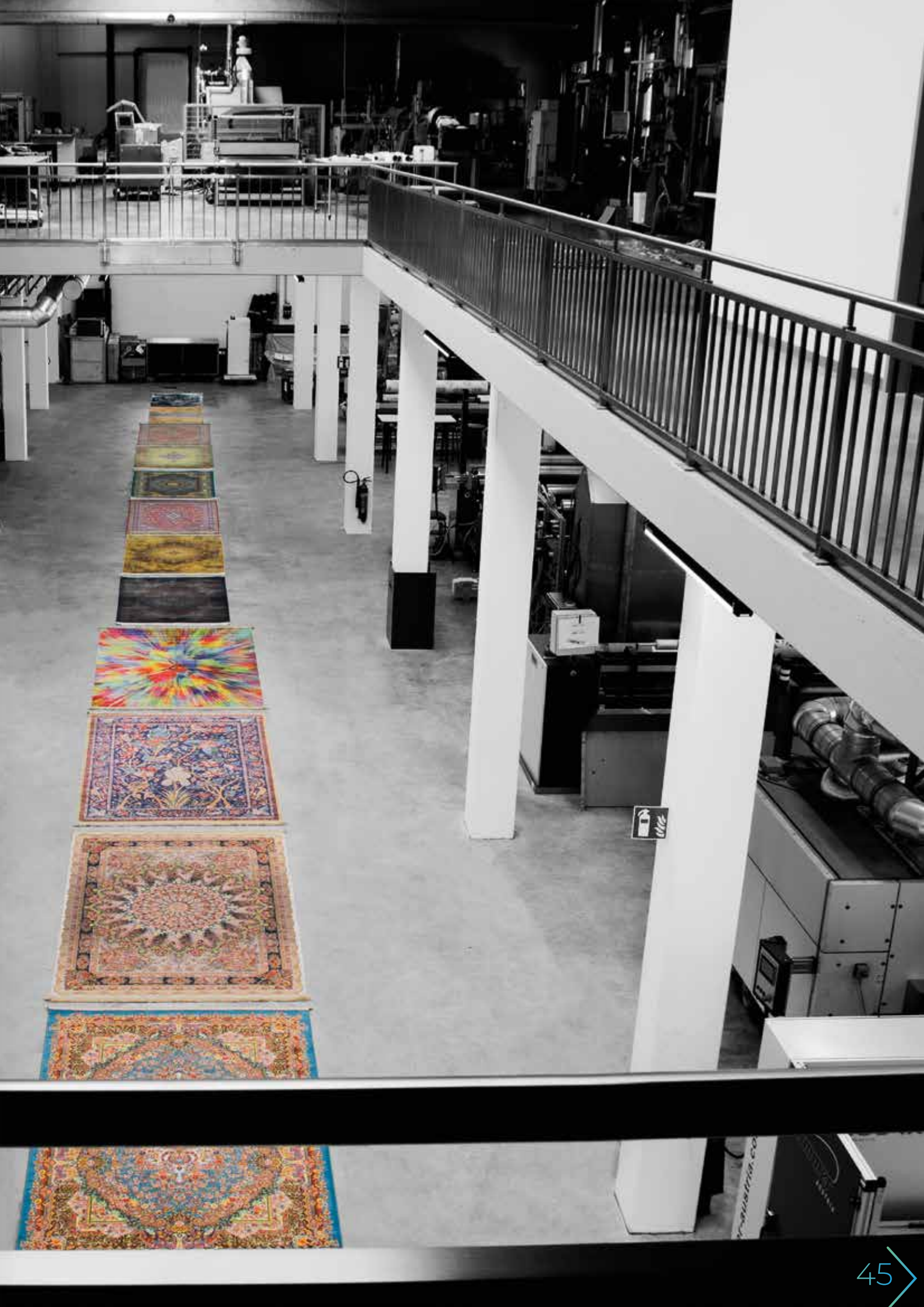
APPLICATION TECHNOLOGY & CUSTOMER PROXIMITY

Whether product samples, process optimization or new materials - we test customer solutions directly on original substrates. In this way, we create reliable, reproducible results for use in production.

TRAINING & TECHNOLOGY TRANSFER

From operator training to product development: our technology center is a hub for knowledge, training and practical service - right at the pulse of our technology.





AFTER SALES SERVICE

WE ARE THERE FOR YOU - EVEN AFTER THE PURCHASE.

Our service does not end with the delivery of the machine – on the contrary: we accompany you throughout the entire lifecycle. Whether maintenance, spare parts, updates, or support – our specialists are there for you, worldwide and reliably.



TECHNICAL SUPPORT

Experienced service technicians support you with faults, maintenance and commissioning - remotely or directly on site. Fast, solution-oriented and always at eye level.



SPARE PARTS & COMPONENTS

Original parts ensure the quality of your machine. We deliver reliably - tailored to your model and your production requirements.



SOFTWARE & UPDATES

The latest updates ensure greater efficiency and new functions. Our systems can be updated - and our team will inform you about new features in good time.

MORE DETAILS





Delivery

Your system is delivered ready for operation - tested, documented and ready for immediate use.



Maintenance

Regular checks ensure performance and service life - we support you with foresight.



Updates

Firmware and software always up to date - for efficient and future-proof work.



Training

Our experts get your team up to speed - practical, easy to understand and tailored to your processes.



Spare parts

Original parts, delivered quickly - for maximum operational reliability and optimum performance.

Support

Whether remote maintenance or personal support - our service team is there for you, worldwide and directly accessible.



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