REGGIANI TERRA Solution

Digital Printers for Direct Printing on Fabric
Water-based Pigment with Binder Inks

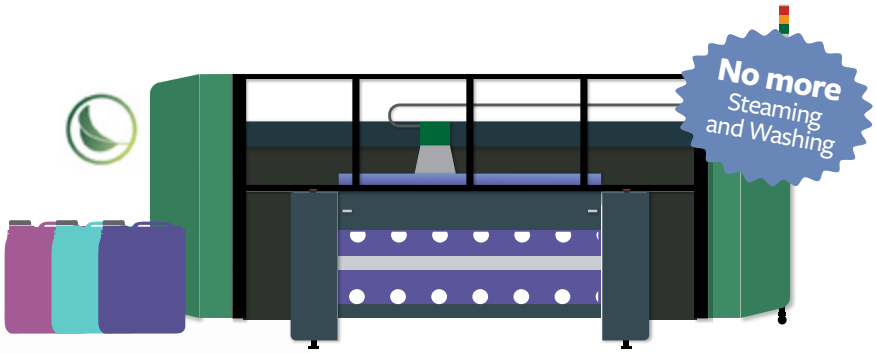
EFI Reggiani TERRA for a **green, fast and competitive** process

Speed up your print process
with the EFI Reggiani TERRA solution

Whatever your desired printing capacity is, the EFI™ Reggiani TERRA solution will scale as per your business needs.

The EFI Reggiani TERRA solution eliminates the need for steaming or washing on direct-to-textile applications using a greener, more efficient polymerization process that takes place as printed textile goes through the printer's on-board dryer. As a result, users can achieve superior printing results while using less time, water, and energy.

PREPARATION → **PRINTING AND INLINE POLYMERISATION**



APPLICATIONS	
Apparel and accessories	✔
Home textile	✔
Outdoor	✔

SUBSTRATES	
Cotton	✔
Viscose	✔
Linen	✔
Blends	✔

A scalable solution for any business size

EFI Reggiani TERRA printers merge unparalleled reliability coming from long-lasting experience in textile digital printing with cutting-edge innovations for the best results with TERRA pigment.

At a glance

- Enhanced ink system, tailored on EFI Reggiani TERRA pigment
- Drop size from 4 to 72 pl and resolution up to 2400 dpi
- Tailored maintenance system to enhance print head life
- High efficiency dryer specially designed for inline polymerization
- New printing software allowing real time image processing
- Higher uniformity printing modes
- Increased user friendliness thanks to new multi-language and multi-culture GUI

EFI Reggiani TERRA pigment: inks that feed your need for speed

EFI Reggiani Terra pigment inks deliver excellent fastness properties and high printability sharpness. Designed to leverage EFI Reggiani digital printers' market-proven industrial performance capabilities, these eco-friendly, water-based inks provide an extraordinary level of print durability and yield longer print head life with reduced maintenance costs.

This high-performance digital pigment inks use an innovative binder technology for fast, sustainable, and cost-competitive industrial textile printing on the widest range of fabrics.

Plus, EFI Reggiani TERRA tailored preparations will grant superior print definition, color intensity, and uncomparable wet and dry fastness.

REGGIANI TERRA Silver

Digital Printer for Direct Printing on Fabric

EFI Reggiani TERRA Silver is the ideal solution to get into the industrial printing segment with a short, smart and green process.

Printer configuration

- Printer production speed up to 2,045 sqft/h (190 sqm/h)
- Print heads 8, dual channel
- Available in 71 in (180 cm) printing width
- Fabric feed (entry):
  - Roll unwinder up to ø 16 in (400 mm)
- Fabric take-up (exit):
  - Fold
  - Roll winder up to ø 16 in (400 mm)
  - Fold and roll winder up to ø 16 in (400 mm)

Polymerization configuration

- Inline:
  - Polymerization speed up to 2,045 sqft/h (190 sqm/h)
  - One industrial section with three passages
- Offline:
  - One industrial section with one or three passages

EFI Reggiani TERRA Silver: regulatory model BLAZE

REGGIANI TERRA Gold

Digital Printer for Direct Printing on Fabric

EFI Reggiani TERRA Gold is the perfect printer for industrial productivity without compromising on flexibility.

Printer configuration

- Printer production speed up to 3,498 sqft/hr (325 sqm/h)
- Print heads 16
- Available in 71 in (180 cm) printing width
- Fabric feed (entry):
  - Roll unwinder up to ø 16 in (400 mm)
  - Big roll unwinder (A frame) up to ø 63 in (1,600 mm)
- Fabric take-up (exit):
  - Fold
  - Roll winder up to ø 16 in (400 mm)
  - Fold and roll winder up to ø 16 in (400 mm)

Polymerization configuration

- Inline:
  - Polymerization speed up to 3,498 sqft/hr (325 sqm/h)
  - Two industrial sections with three passages
- Offline:
  - One industrial section with three passages

EFI Reggiani TERRA Gold: regulatory model ReNOIR 180

REGGIANI TERRA Platinum

Digital Printer for Direct Printing on Fabric

EFI Reggiani TERRA Platinum is the master of technology in EFI Reggiani's printer range and it is the solution for outstanding printing quality and uniformity.

Printer configuration

- Printing width 71-95-134 in (180-240-340 cm)
- Printer production speed up to 6,082 sqft/h (565 sqm/h)
- Print heads from 16 to 24
- Fabric feed (entry):
  - Small roll unwinder up to ø 16 in (400 mm)
  - Big roll unwinder (A frame) up to ø 63 in (1,600 mm)
  - Fold
  - Segmented roller
- Fabric take-up (exit):
  - Fold
  - Small roll winder up to ø 16 in (400 mm)
  - Fold and small roll winder up to ø 16 in (400 mm)
  - Big roll winder (A frame) up to ø 1,600 mm

Polymerization configuration

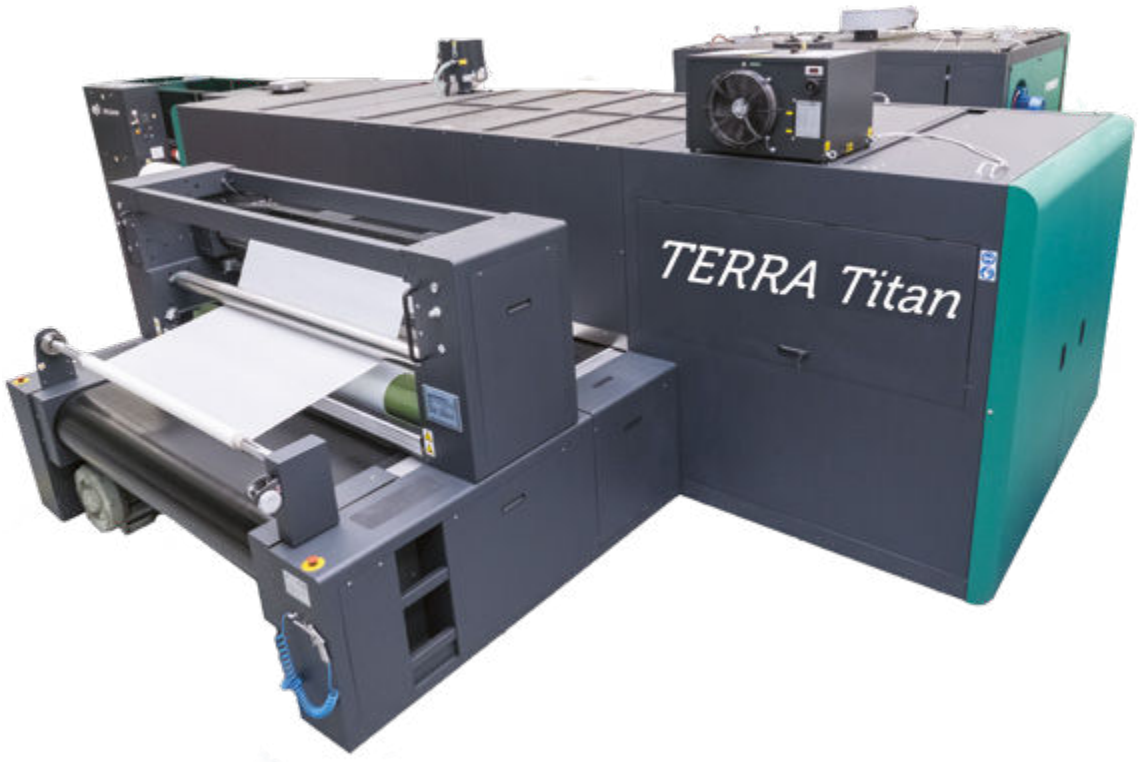
- Inline:
  - Polymerization speed up to 3,552 sqft/h (330 sqm/h)
  - Two industrial sections with three passages
- Offline:
  - One industrial section with three passages

Speed considering 180 version

EFI Reggiani TERRA Platinum: regulatory model ReNOIR 180, ReNOIR 240, ReNOIR 340

REGGIANI TERRA Titan

Digital Printer for Direct Printing on Fabric



EFI Reggiani TERRA Titan is the industrial textile digital printer that ensures extraordinary high performance and productivity, and unparalleled uptime.

Printer configuration

- Printing width 71-95-134 in (180-240-340 cm)
- Printer production speed up to 10,979 sqft/h (1020 sqm/h)
- Print heads 32
- Fabric feed (entry):
  - Small roll unwinder up to ø 16 in (400 mm)
  - Big roll unwinder (A frame) up to ø 63 in (1,600 mm)
  - Fold
  - Segmented roller
- Fabric take-up (exit):
  - Fold
  - Small roll winder up to ø 16 in (400 mm)
  - Fold and small roll winder up to ø 16 in (400 mm)
  - Big roll winder (A frame) up to ø 63 in (1,600 mm)

Polymerisation configuration

- Inline:
  - Polymerization speed up to 6,243 sqft/h (580 sqm/h)
  - Two industrial sections with five passages
- Offline:
  - Two industrial sections with three passages

Speed considering 180 version

EFI Reggiani TERRA Titan: regulatory model ReNOIR 180, ReNOIR 240, ReNOIR 340

EFI Reggiani TERRA Pigments are available in the following colors:

- **TERRA Black PA100K**
- **TERRA Cyan PA110C**
- **TERRA Magenta PA120M**
- **TERRA Yellow PA130Y**
- **TERRA Red PA150R**
- **TERRA Blue PA140B**
- **TERRA Green PA160G**

EFI Reggiani procedure and chemicals

- Padding with EFI Reggiani PIGMENT PRE to easily pre-treat your fabric
- Printing and curing in-line
- Optional post-treatment available upon request

Fastness properties

600 dpi Color	Light Fastness 100% ISO 105-B02	Washing 60°C ISO 105-C06	Water ISO 105-E01	Perspiration Acid ISO 105-E04	Perspiration Alkaline ISO 105-E04	Crocking Fastness Dry ISO 105-X12	Crocking Fastness Wet ISO 105-X12
Black	6-7	4-5	4-5	4-5	4-5	4-5	3-4
Cyan	6-7	4-5	4-5	4-5	4-5	3	3-4
Magenta	6-7	4-5	4-5	4-5	4-5	3-4	3-4
Yellow	6-7	4-5	4-5	4-5	4-5	4	4
Red	6-7	4-5	4-5	4-5	4-5	3-4	3-4
Blue	6-7	4-5	4-5	4-5	4-5	4-5	3-4
Green	6	4-5	4-5	4-5	4-5	4	4

1200 dpi Color	Light Fastness 100% ISO 105-B02	Washing 60°C ISO 105-C06	Water ISO 105-E01	Perspiration Acid ISO 105-E04	Perspiration Alkaline ISO 105-E04	Crocking Fastness Dry ISO 105-X12	Crocking Fastness Wet ISO 105-X12
Black	6-7	4-5	4-5	4-5	4-5	4-5	2-3
Cyan	6-7	4-5	4-5	4-5	4-5	3-4	3
Magenta	6-7	4-5	4-5	4-5	4-5	3	3-4
Yellow	6-7	4-5	4-5	4-5	4-5	3-4	3-4
Red	6-7	4-5	4-5	4-5	4-5	3	3
Blue	6-7	4-5	4-5	4-5	4-5	4	3
Green	6	4-5	4-5	4-5	4-5	3-4	3-4

Please note that fastness performances can vary according to the substrate used in the final application.

E1SM1RUN8 Centexbel
Textile and leather chemicals.
Tested and verified.
www.oeko-tex.com/ecopass

This product has achieved
the ZDHC MRSL Conformance Level 3
in accordance with the ZDHC MRSL V2.0

GOTS Approved Additive
Approved by Ecocert Greenlife GOTS-ECOCERT -08-01057

Let's be brilliant. Together.

We understand you want breakthrough technologies to lead you through your digital journey. That's why we're passionate about driving your business growth with a scalable portfolio of products, solutions, services, support, and world-class partnerships for the manufacturing of signage, packaging, textiles, ceramic tiles, and building materials with a wide range of printers and inks. Our unwavering commitment is to increase your profits, cut costs, improve productivity, and optimize efficiency — job after job, year after year. We're obsessed with your success. And we definitely believe we have the right people, technology and experience to help your business achieve its goals. Visit www.efi.com/reggiani or send an email to info@efi.com for more information.

Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

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