efi

Reggiani COLORS

Digital Printer for Direct Printing on Fabric and Paper

The spectacular **COLORS** your creativity desires

Master of **COLORS** and technology

EFI™ Reggiani COLORS: the unparalleled textile printer from EFI Reggiani, will bring your creativity to the world in an explosion of colour!

With up to 12 different colours in a row and 24 print heads, you can extend your colour gamut and depth, increase penetration, and enhance printing quality and uniformity. Plus, the higher reliability and reduced maintenance of EFI Reggiani COLORS will ensure superior productivity with excellent printing results.

At a glance:

- **Up to 12 colours in a row**
  - Extended colour gamut
  - Superior colour depth
  - Enhanced printing quality and uniformity
  - Possibility to create your own colour configuration with light, fluorescent and special colours
- **6 + 6 colour configuration**
  - Superior productivity: can achieve same colour depth at higher speed
  - Higher reliability thanks to print head redundancy
- **11 colours + chemistry**
  - Increased penetration
  - Superior fastness
- **Enhanced continuous ink recirculation system**
- **New printing software allowing real-time image processing**
- **Proprietary electronics**

Industry 4.0 friendly NEW

Possible to install plug & play sensors and smart actuators for diagnostics and predictive maintenance

APPLICATIONS	
Fashion	✓
Home textile	✓
Outdoor	✓
Sportswear and footwear	✓
INKS	
Disperse direct	✓
Reactive	✓
Acid	✓
Disperse sublimation	✓
Textile pigment	✓

SUBSTRATES	
Cotton	✓
Polyester	✓
Polyamide	✓
Silk	✓
Viscose	✓
Polyester and elastane	✓
Polyamide and elastane	✓
Blends	✓
Wool	✓
Sublimation paper	✓

Applications

- 24 print heads with full variable drop size
- Ink management: in-line continuous degassing and filtering
- Print head crash protective system
- High-precision transportation belt
- Automatic substrate width detection, allowing image auto centering and margins set
- EFI Reggiani exclusive dynaplast roll compensating step vs continuous movement
- Fabric adhesion methods: thermoplastic, permanent, resin
- Embedded magnetic system for adhesive application
- Ink tanks refill on the fly without stopping the printer
- Print head electronics in a fully enclosed protection cap
- Belt washing with both continuous and stop-and-go capabilities with air blade included
- Integrated environmental sensor
- Ink system open to certified suppliers
- High uniformity printing modes
- Possibility to monitor and export all printing and printer data to an external DB or ERP
- Software open to main RIP vendors

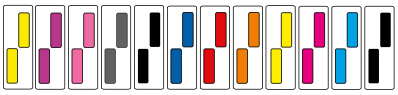
Advantages

- Quick set up time and superior reliability
- Outstanding performance and extended uptime thanks to reduced maintenance needs
- Best handling and adhesion for the widest range of substrates
- Quick and tool-free print head alignment
- More environmental conditions tolerant
- Easy access to main printer modules
- Suitable for 24/7 operation
- One operator can manage multiple printers
- Multiple customisations available

Improvements

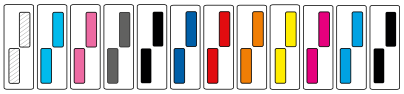
- Innovative and adaptive GUI with advanced queuing features
- Job editor: what you see you see is what you get in each and every moment
- Ink usage and speed prediction
- Flexible queue management
- Components with double CE and UL/CSA certification, guaranteeing high quality standards recognised worldwide NEW

Several colour combinations available (24 print heads, 12 each row):



12 colours

6 + 6 colours



11 colours + chemistry

Specifications

- Printing width 180-240-340 cm
- Production speed up to 565 sqm/h
- Print heads 24
- Drop size from 4 to 72 pL
- DPI up to 2400

Fabric configuration

- **Fabric weight from 30 to 450 gr/sqm**
- **Fabric feed (entry):**
  - small roll unwinder up to ø 400 mm
  - big roll unwinder (A frame) up to ø 1,600 mm
  - fold
- **Fabric take-up (exit):**
  - fold
  - small roll winder up to ø 400 mm
  - fold and small roll winder up to ø 400 mm
  - big roll winder (A frame) up to ø 1,600 mm
- **Dryer – one industrial chamber**

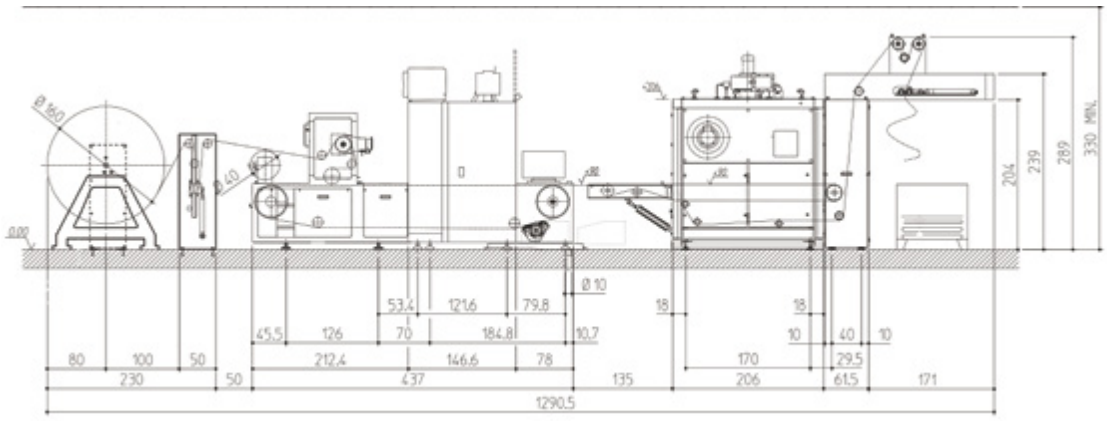
Paper configuration

- **Paper feed (Entry):**
  - standard roll unwinder up to ø 400 mm
  - jumbo roll unwinder up to ø 900 mm
- **Paper take-up (Exit):**
  - jumbo roll winder up to ø 900 mm
  - revolving winder turret (2 rolls up to ø 350 mm)
- **Dryer – one industrial chamber**

EFI Reggiani COLORS: regulatory model ReNOIR 180, ReNOIR 240, ReNOIR 340

EFI REGGIANI COLORS 12 COLOURS CONFIGURATION*			
RESOLUTION	PASS	LM/H	SQM/H
600 x 300	1	375	565
600 x 600	2	195	295
600 x 900	3	125	190
600 x 1200	4	95	145

* 6+6 configuration: double ink laydown at same speed



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