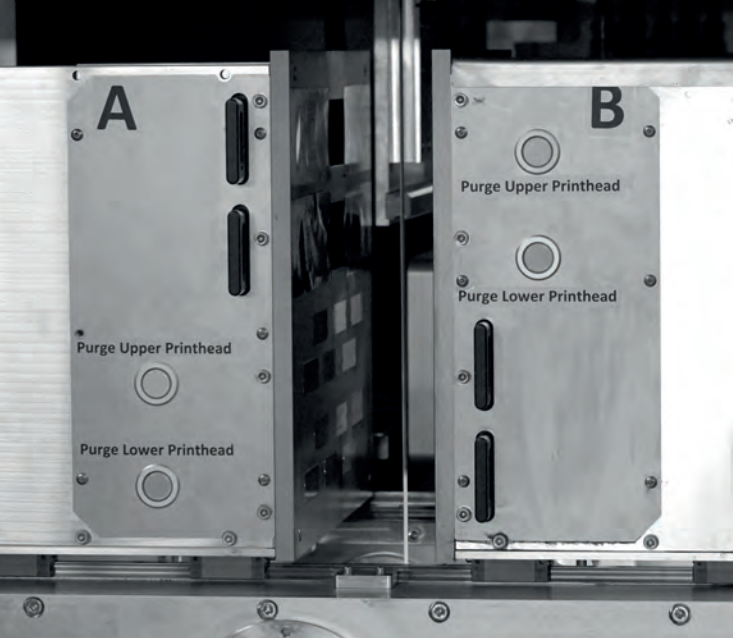




Digital Printing For Narrow Fabrics

ColorBoosterNF x FP Pigment Inks

Hollanders
masters
on textile
ColorBooster NF



Simultaneous Printing on Front & Back



100% Edge-Coverage



No Pre- or Posttreatment

Digital Printing for Narrow Fabrics

ColorBoosterNF & FP Pigment Inks

Hollanders and Farbenpunkt disrupt the world of Narrow Fabrics by combining decades of heritage in inkjet printer engineering with revolutionary chemistry in pigment inks. The one-of-a kind and more economical solution for premium quality, ease-of-use, and sustainable narrow fabric production.

ColorBoosterNF

Is an industrial single-pass digital printer for one-sided printing of narrow fabrics.

ColorBoosterNF - DS

Is an industrial single-pass digital printer for double-sided printing of narrow fabrics. Print front and back at the same time. For design or uni-color execution or a mix and match approach.

Application

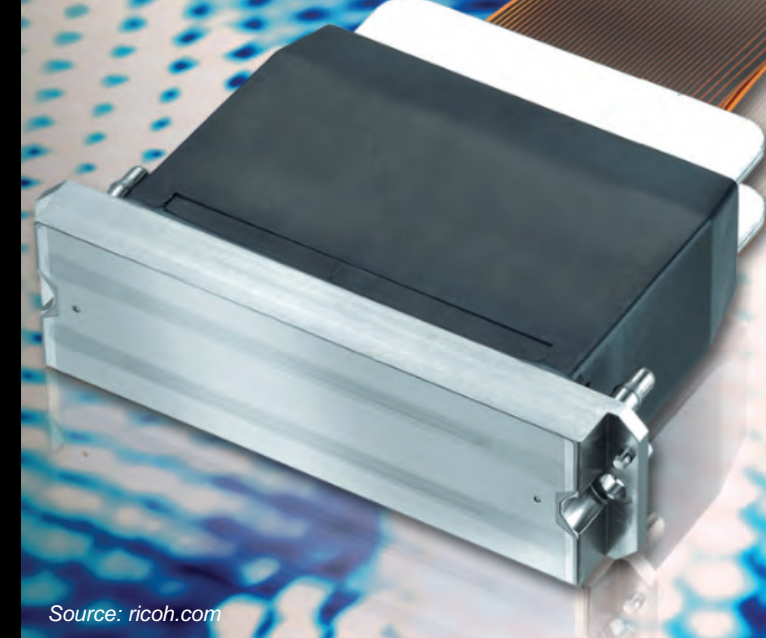
- Military
- Lingerie
- Apparel
- Fashion
- Lanyards
- Automotive
- Decoration

Hollanders Printing Solutions

Is known for their robust, high-performing textile printing solutions that combine premium quality with low cost production.

Farbenpunkt GmbH

Is recognized in the market for their innovative and process improving textile ink solutions that enable digital textile printing with a reduced water and carbon footprint.



Source: ricoh.com

Recirculation Printheads



Rigid & Elastic NF



Military Approved IRR

Printing Process

ColorBoosterNF x FP Pigment Inks

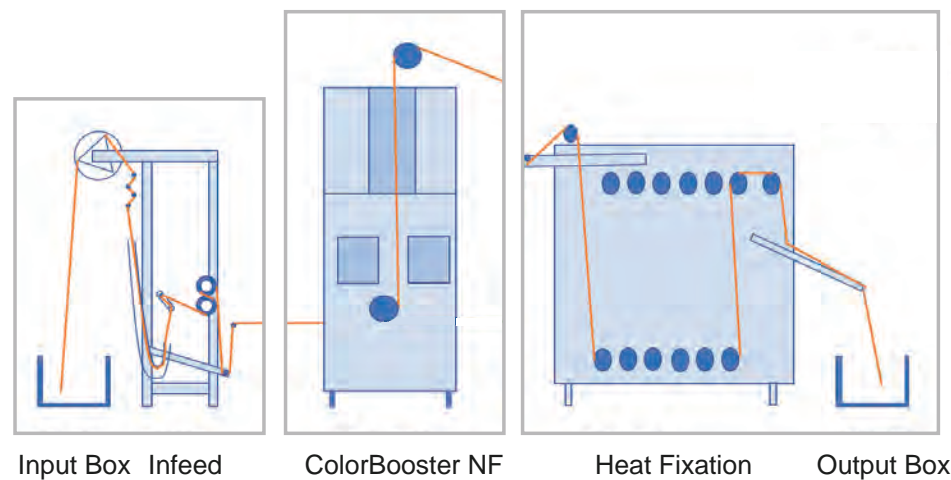
The narrow fabrics market has been challenged with long, inflexible and resource intensive production processes.

The ColorBoosterNF in combination with FP Pigment inks enable new possibilities.

From white narrow fabrics to decorated tapes ready for confectioning in just one process line.

FP pigment inks eliminate pre - and posttreatment process steps from the production line up, no washing or steaming required, substantially reducing water and energy consumption of digital printing.

With Farbenpunkt's advanced ink formulation use one set of ink chemistry for a wide range of textile materials, from natural to synthetic fibers and fiber blends.



ColorBooster NF

Feed-in Options

- Box-to-box
- Roll-to-roll
- Box-to-roll
- Roll-to-box

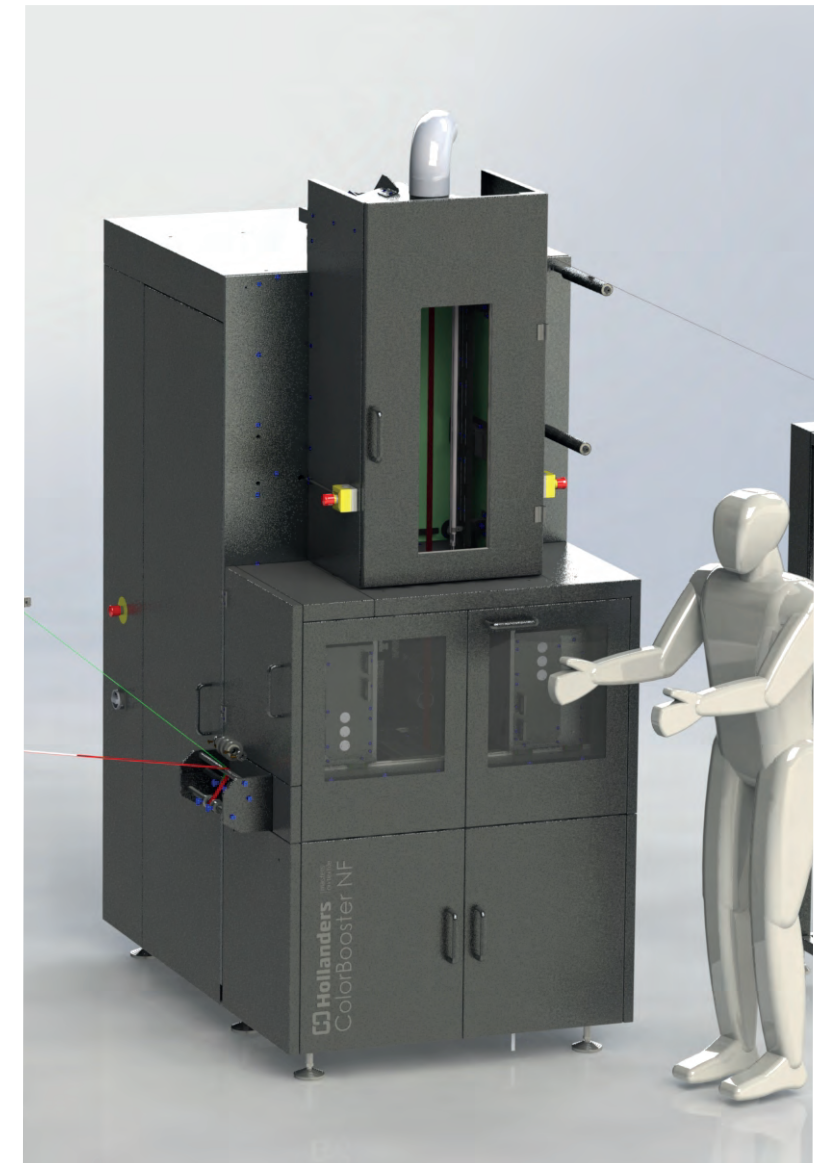
Pretreatment

- Optional

Fixation Oven - Configuration

- Cylinder
- Roller
- Inline fixation
Box - infeed - printing - fixation - box
- Offline fixation
Print from box-to-box
Fixation from box-to-box

*Printed, pre-dried NF is sufficiently dry to be stored in box



Key Advantages



Increased production efficiencies.

Cut capital investment, labor & operational costs.



Local, on-demand production with digital printing.

Shorter production runs & lead times.
Eliminate inventory of finished products.



Print front & back at the same time.

Achieve perfect alignment & 100% edge coverage.



Exceptional print performance.

Deliver impeccable accuracy, consistency & quality.



Simplified production process.

Eliminate pre- & posttreatment process steps.



Reduced water & carbon footprint.

Waterless printing process with integrated heat fixation.



One set of inks for a wide range of textiles.

Natural & synthetic fibers, as well as rigid & elastic materials.



Outstanding color fastness results.

Achieve beautiful color brilliance, vibrancy & UV protection.

ColorBoosterNF / NF-DS



ColorBoosterNF-DS Production Line


- Input Box
- Infeed
- ColorBoosterNF
- Optional Pretreatment
- Heat Fixation
- Output Box

Contact us

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 Hollanders Printing Solutions

ColorBoosterNF/ NF-DS

S P E C I F I C A T I O N S

Maximum print width	50 mm
Maximum number parallel lanes	2
Minimum media width	6 mm
Maximum media width	50 mm
Media type	Rigid & elastic NF
Production speed, linear	Up to 30/m min
Variable drop volume	7, 14, 21 pl
Printing Resolution	600 x 300, 900 x 300, 1200 x 300, 2400 x 300 dpi
Printing direction	Single pass
Printhead type	Ricoh MF5421 (gen 5) Recirculation
Minimum number of heads	4
Maximum number of heads	16
Ink settings	4, 6 or 8 colors
Ink type	Pigment (direct)
Maximum media thickness	3 mm
Fixation oven threshold temperature	Minimum 165°C
Environment Printing	Temperature between 18-30 °C Humidity non-condensing between 30-75 % (with internal climate control system)
Environment Non-Printing	Temperature of 0-35°C Humidity non-condensing between 10-75 %
Media type	Rigid and elastic narrow fabrics
Media pre-dryer	NIR
Media transport	Proprietary media handling system developed by Hollanders
Power source	3 phase + N + Earth 400 VAC
Power current	25 A
Frequency	50-60 Hz
Air supply pressure	8 bar
Weight	± 1500 kg
Printer Dimensions	W ± 1250 mm; H ± 2400 mm; D ± 2200 mm
Space requirements	W ± 2500 mm; H ± 2750 mm; D ± 2200 mm

*indicative, speeds dependent of media requirements

Contact us

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FP Pigment Inks

S P E C I F I C A T I O N S

Color Gamut	CMYK, Red, Orange, Violet, Grey, Green (on request), White
Viscosity	High
Media Type	Synthetic, cellulosic and fiber blends
Heat fixation	Minimum 165 ° C - 3 min
Ink type	Water-based synthetic pigments (direct)
Certification	OEKO-TEX Eco passport
Size	5 L
Pretreatment	Not required for most materials
Printhead Compatibility	Piezo printhead system

*indicative, individual testing for substrate needs to be performed