



 COLARIS-NF COLARIS M-SK MULTI

**DIGITAL PRINTING &
DYEING SYSTEM
FOR NARROW FABRICS**

- ... high speed
- ... high quality
- ... high efficiency

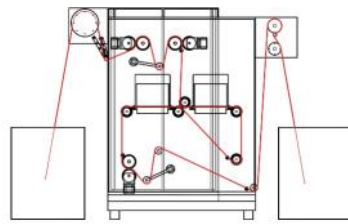




COLARIS-NF
THE DIGITAL PRINTING SYSTEMS FOR NARROW FABRICS



LINE LAYOUT

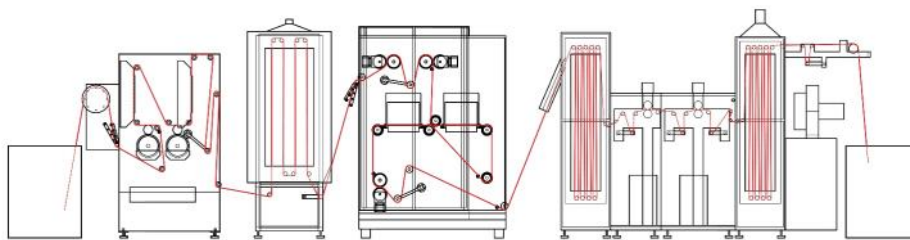


For all types of tapes

Pre- and post-treatment by separate lines

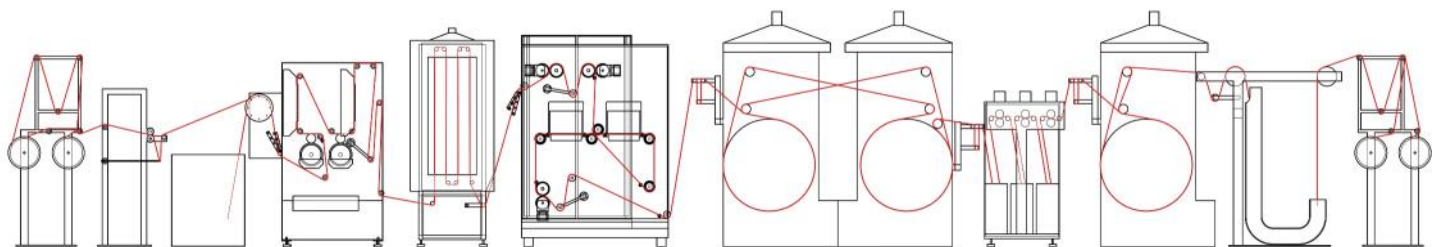
Total length: 2,600 mm

COLARIS-NF - STAND ALONE PRINTER



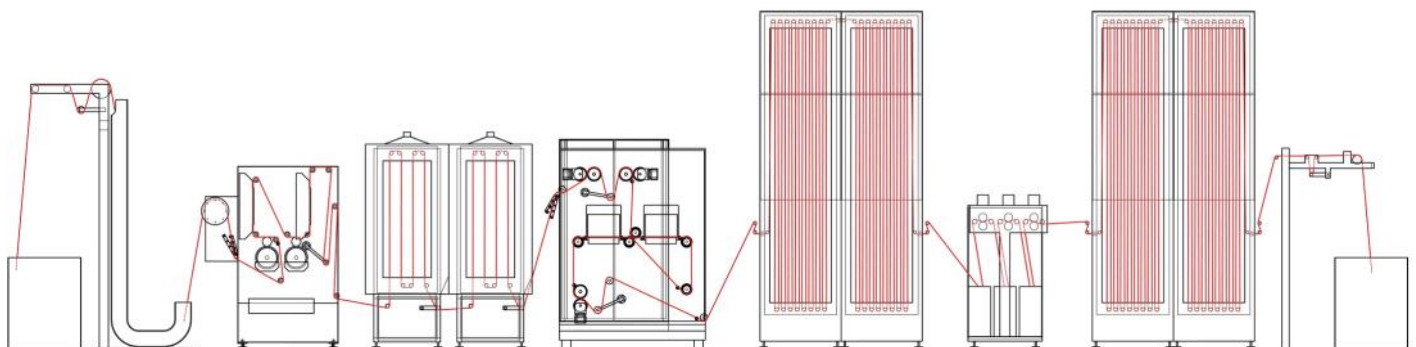
Total length: 9,300 mm

COLARIS-NF - ELASTIC



Total length: 16,000 mm


COLARIS-NF - RIBBONS



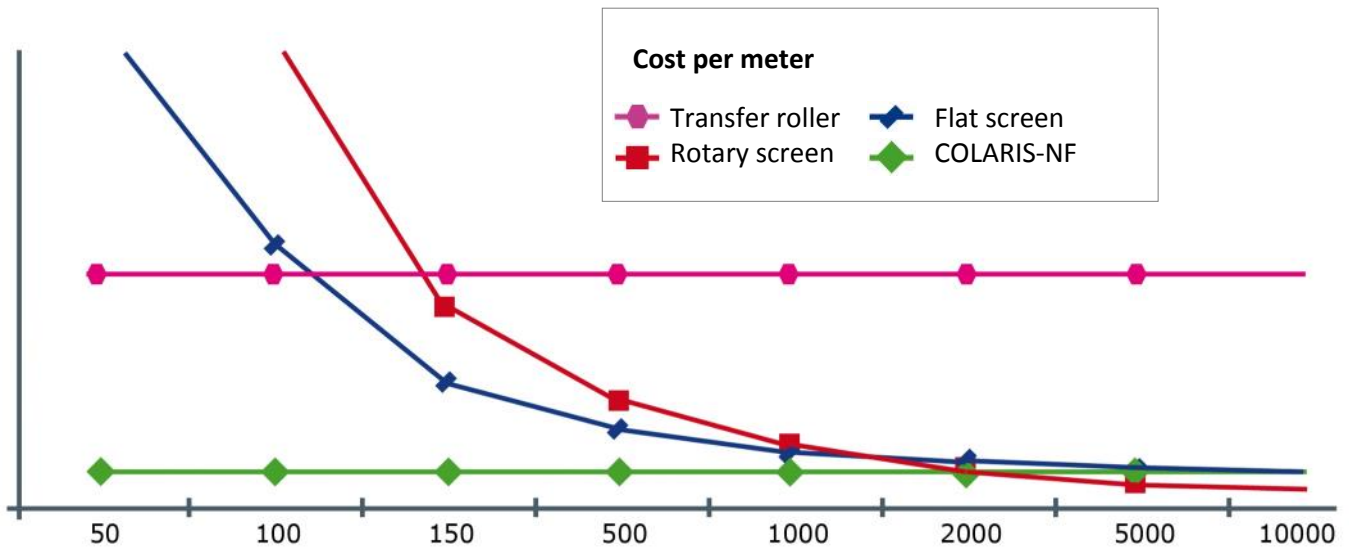
Total length: 16,200 mm

COLARIS-NF - HEAVY TAPES

PROCESS POSSIBILITIES

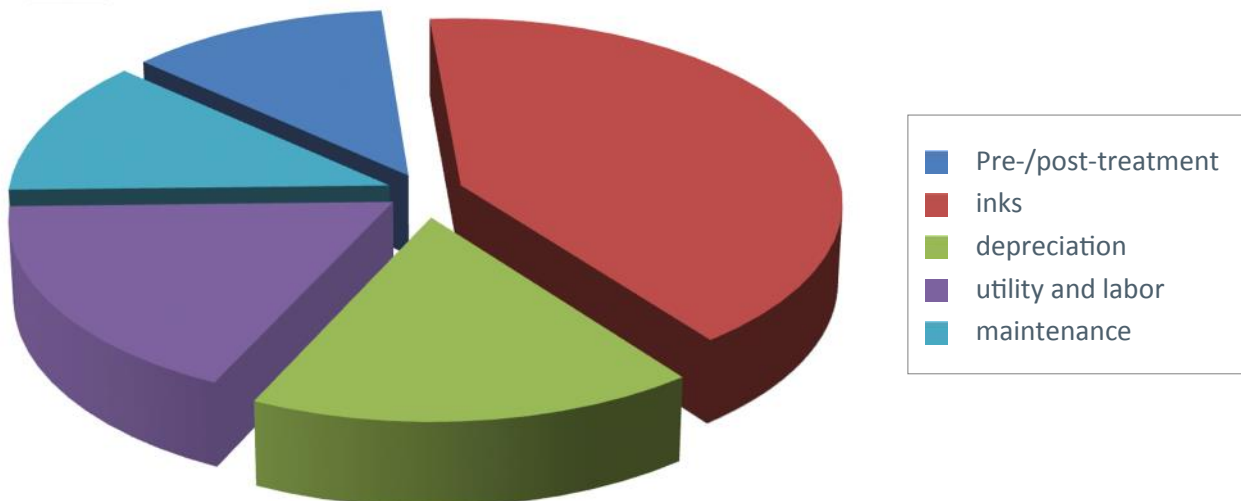
substrate	ink type	application	pre-treatment low wet pick up	pre-drying	 COLARIS-NF printing	fixation hot air	fixation steam	washing	drying	
polyester	disperse	satin	◆	◆	◆	◆		◆	◆	
		taffeta	◆	◆	◆	◆				
		deco tape	◆	◆	◆	◆				
		flower tape	◆	◆	◆	◆				
		packing	◆	◆	◆	◆				
		ribbon	◆	◆	◆	◆	◆	◆	◆	◆
		belt	◆	◆	◆	◆	◆	◆	◆	◆
		seat belt	◆	◆	◆	◆	◆	◆	◆	◆
		elastic	◆	◆	◆	◆	◆	◆	◆	◆
		elastic underwear	◆	◆	◆	◆	◆	◆	◆	◆
		heavy duty belt	◆	◆	◆	◆	◆	◆	◆	◆
		velvet	◆	◆	◆	◆	◆	◆	◆	◆
		zipper	◆	◆	◆	◆	◆	◆	◆	◆
technical tape	◆	◆	◆	◆	◆					
polyamide	acid	deco tape	◆	◆	◆	◆				
		flower tape	◆	◆	◆	◆				
		packing	◆	◆	◆	◆				
		ribbon	◆	◆	◆	◆	◆	◆	◆	◆
		belt	◆	◆	◆	◆	◆	◆	◆	◆
		seat belt	◆	◆	◆	◆	◆	◆	◆	◆
		elastic	◆	◆	◆	◆	◆	◆	◆	◆
		elastic underwear	◆	◆	◆	◆	◆	◆	◆	◆
		heavy duty belt	◆	◆	◆	◆	◆	◆	◆	◆
		velvet	◆	◆	◆	◆	◆	◆	◆	◆
		touch and close	◆	◆	◆	◆	◆	◆	◆	◆
		zipper	◆	◆	◆	◆	◆	◆	◆	◆
		technical tape	◆	◆	◆	◆	◆			
cotton	reactive	deco tape	◆	◆	◆		◆	◆	◆	
		flower tape	◆	◆	◆		◆	◆	◆	
		packing	◆	◆	◆		◆	◆	◆	
		ribbon	◆	◆	◆		◆	◆	◆	
		belt	◆	◆	◆		◆	◆	◆	
		heavy duty belt	◆	◆	◆		◆	◆	◆	
		technical tape	◆	◆	◆		◆	◆	◆	

COST COMPARISON | COLARIS-NF vs. SCREEN PRINTING



- Equal cost to conventional printing
- Pattern and full color in one operation
- High efficiency
- High fastness by using standard textile inks
- Small lots at minimum cost

BREAKUP OF COLARIS-NF DIGITAL PRINTING COST

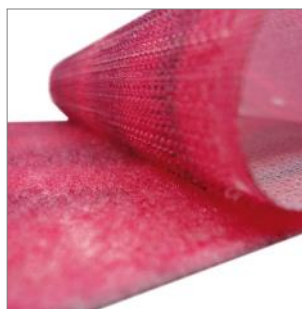




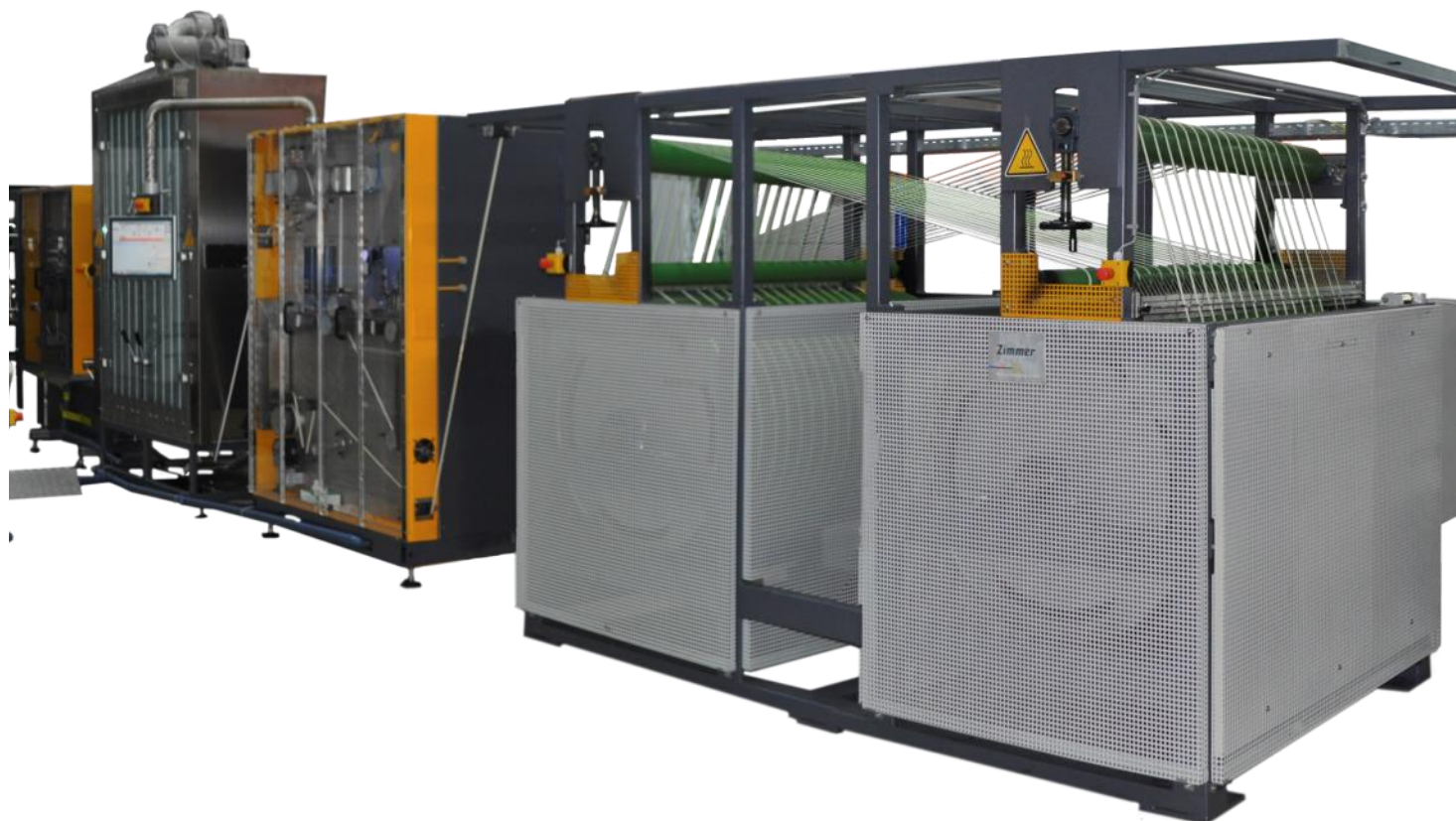
A BETTER WAY TO PRODUCE FULL COLOR AND PATTERN PRINTED NARROW FABRICS

TECHNICAL DATA | CAPACITY - SPEED

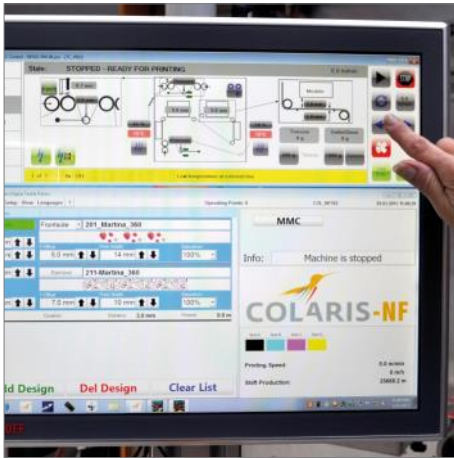
Printing widths:	up to 70 mm
Capacity/speed:	5 - 50 m/min.
Number of colors:	4 standard
Print heads in use:	SII Printek (Seiko) AQ-508-GS grey scale
Droplet sizes:	12-24-36 pl
Printing resolution:	360*360 / 360*540 / 360*720 dpi
Print sides:	Single or double side printing
Ink supply system:	open system with storage tanks



COLARIS-NF PRINTING LINE



COLARIS-NF COMPONENTS



Windows®-based printing software with high-speed optical data transfer to the printing modules



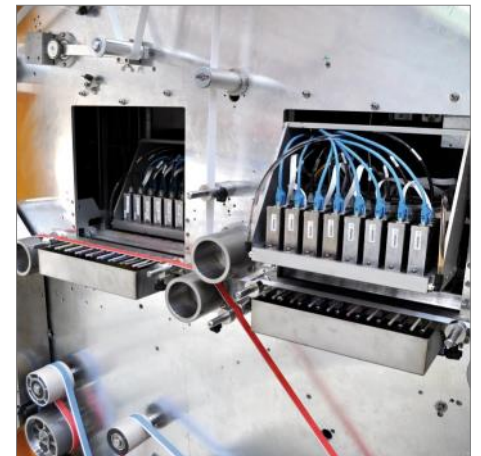
Automatic tape thickness control



Automatic tension control



Open ink system with storage tanks of 10 lt. capacity, allowing refill without production stoppage



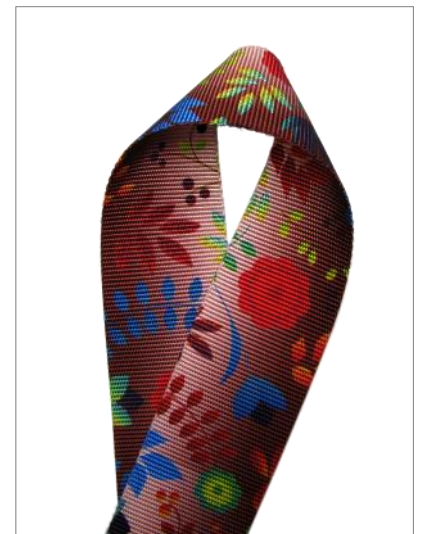
Easy access from all sides for convenient machine operation and maintenance



COLARIS-NF ADVANTAGES

- **Fully digital application of dyes | any shade, any pattern, any time**
 - Efficient short and sample production
 - Flying color and pattern changes
 - Mixed colors or patterns processed simultaneously
 - Unique text or information capability
 - Different colors or patterns on front and back
 - Reduction in process complexity – any pattern/color combination in one process
- **Lower capital investment**
- **Improved production efficiency**
 - Technical hotline
 - Small and large lots have the same production and set-up cost
 - Excellent color fastness
 - Reduced production loss from clean-up or pattern/color changes
 - Easy to operate
- **Online service and support**
- **Green technology – energy and water savings**
 - Reduced waste water contamination
 - No color mixing required (CMYK)
 - Fewer auxiliary chemicals required
 - Reduction in process steps

FRONT & BACK SIDE





NEW TECHNOLOGY APPLICATION CENTRE

ZIMMER AUSTRIA offers customer oriented developments and applications using inkjet and valve jet digital printing and digital coating technologies.

Our new technology centre for digital textile applications will open in mid-2016!



Service is our Business.

QUALITY IS OUR FIRST PRIORITY!

All materials and components are inspected and tested before being assembled.

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NOTES

COLARIS INKS



- Available for all kinds of textile substrates
- Developed by ZIMMER AUSTRIA in close cooperation with famous dyestuff manufactures
- Recommended inks ensure excellent fastness properties and Oeko-Tex® Standard 100
- Open Ink system
any ink approved by ZIMMER AUSTRIA can be used

*... from the leading company for digital
carpet & textile printing systems*

First in Quality | First in Service



All machines and components from **ZIMMER AUSTRIA** are strictly inspected and tested before shipping to customers to ensure efficient installation and best performance with 100% satisfaction.

Colaris on-site customer support is guaranteed by service partners and ZIMMER engineers and technologists.

This setup guarantees a short response time on a service call from a customer.



INNOVATION

QUALITY

SERVICE

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