

Introducing Orange's

Green Edge

Series

The Ultimate Solution for Sustainable &
High Quality Digital Textile **Pigment** Printing



Who

WE ARE?

Leading the Future of Sustainable Digital Textile Printing

Orange O Tec Pvt. Ltd., based in Surat, Gujarat, is a trusted provider of digital textile printing solutions. We deliver high-performance, Made-in-India printers designed for modern and sustainable fabric production.

With our in-house assembly line and a strong nationwide service network, we ensure not just advanced technology but also unmatched reliability, innovation, and long-term support.

Focused on innovation and efficiency, we're shaping the future of textile manufacturing where precision meets performance, and sustainability meets scale.

600+

Successful
Installations

15+

Years of
Experience

140+

Team
Strength

75+

Dedicated Service
Engineer



Key

MILESTONES

2011

Orange O Tec was founded in Surat with a vision to revolutionize textile printing through digital technology.



2015

Sold India's first **Single Pass Digital Textile Printer** and 10th such printer in the world.



2017

First company in India to sell **100 industrial** textile printers.



2019

Introduced **MINI LARIO** the world's fastest scanning digital textile printer.



2020

Started selling **Worldwide** - Sourced digital printers under the brand "**Homer**".



2021

Achieved **₹100 crore** turnover in just **10 years**.



2022

Captured over **50% market share** in high-speed industrial sublimation textile printing.



2023

Started **in-house printer assembly** operations in India.



2024

- Installed **600+** printers across India
- Launched **Foiljet Textile Printer**
- Crossed **₹250+ Crore** turnover



2025

- Setting new **industry benchmarks** with our **Surat-based ink production** unit.
- Expanded manufacturing with a **20,000 sq. ft. assembly plant**.



GREEN EDGE SERIES: WHERE SUSTAINABILITY MEETS HIGH-SPEED PRINTING

Green Edge Series with Pigment Ink technology enables textile manufacturers to achieve high-speed, vibrant printing while dramatically cutting down on water, energy, and environmental impact. It combines pigment performance, sustainability, and print excellence in one powerful system. Designed for fast, waterless, and one-step production, it's ideal for businesses ready to reduce impact while increasing output.

With speeds of up to 50,000 linear meters per day and vibrant print results across all fabric types, Green Edge eliminates water-intensive processes like steaming and washing all while delivering consistent color and long-term durability.

From eco-conscious design to high-speed performance, Green Edge leads the next generation of textile printing.

Technology Benefits



Water Savings

Eco-friendly operations with minimal waste



On Demand Printing

Instant, flexible production



Resource Efficient

Reducing Manpower, Preserving Resources



Modular & Scalable System

Start small, expand as you grow

Efficient Resource Utilization

The Orange O-Tec Green Edge Solution is designed with the environment in mind. Unlike conventional textile printers, our technology uses water only for belt cleaning, drastically reducing water consumption. Thanks to our super-efficient water filtration and reclamation system, we achieve 98% less water usage per meter printed, making our process significantly more sustainable.



ORANGE GREEN EDGE **PIGMENT INK:** KEY PROPERTIES



High Fastness Properties

Ensures durability and long-lasting color.



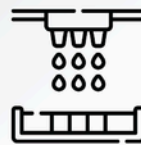
Exceptional Print Sharpness

Delivers clear, crisp print details.



Immediate Print Visibility

Results are visible right away for faster production.



Binder Technology

Guarantees strong color bonding and enhanced fabric integration.



Deep Color Intensity

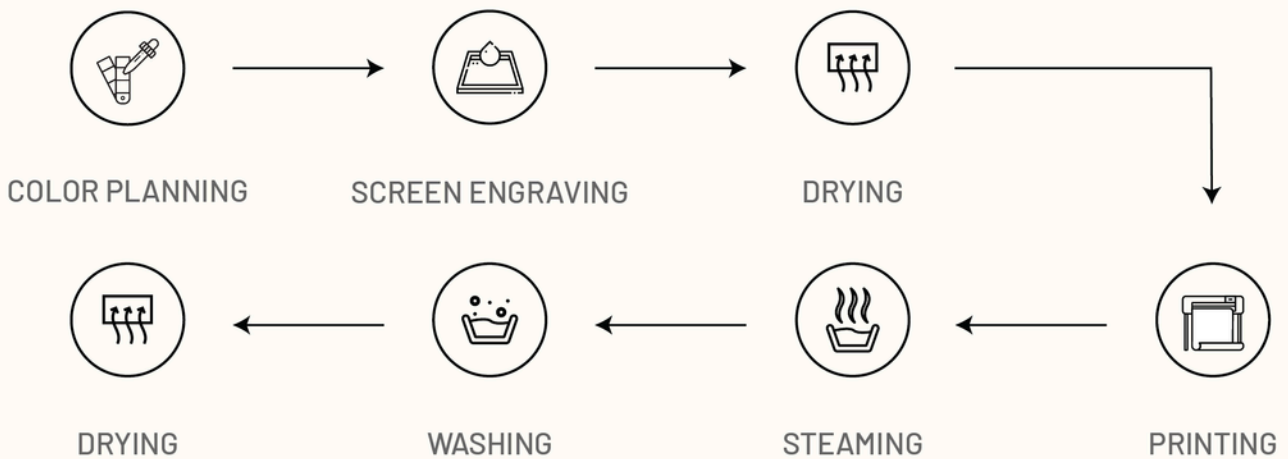
Rich, vibrant prints that stand out in any application.

Pigment Ink Printing Technology & Process

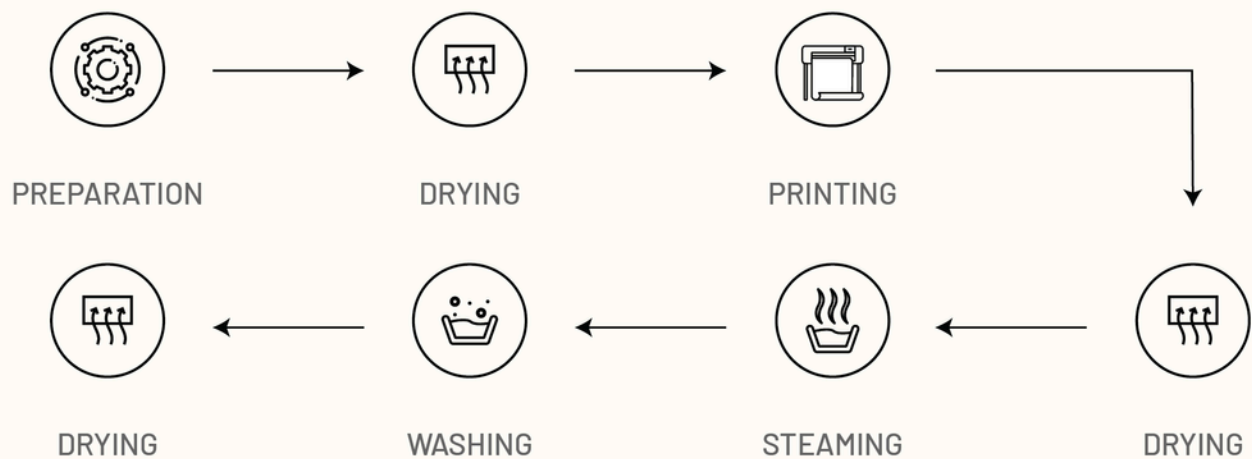
Orange O-Tec's advanced Pigment Ink Technology enables one-step water-based printing on all fiber types, delivering vibrant, durable prints with minimal environmental impact.

Conventional Printing vs. Green Edge Process

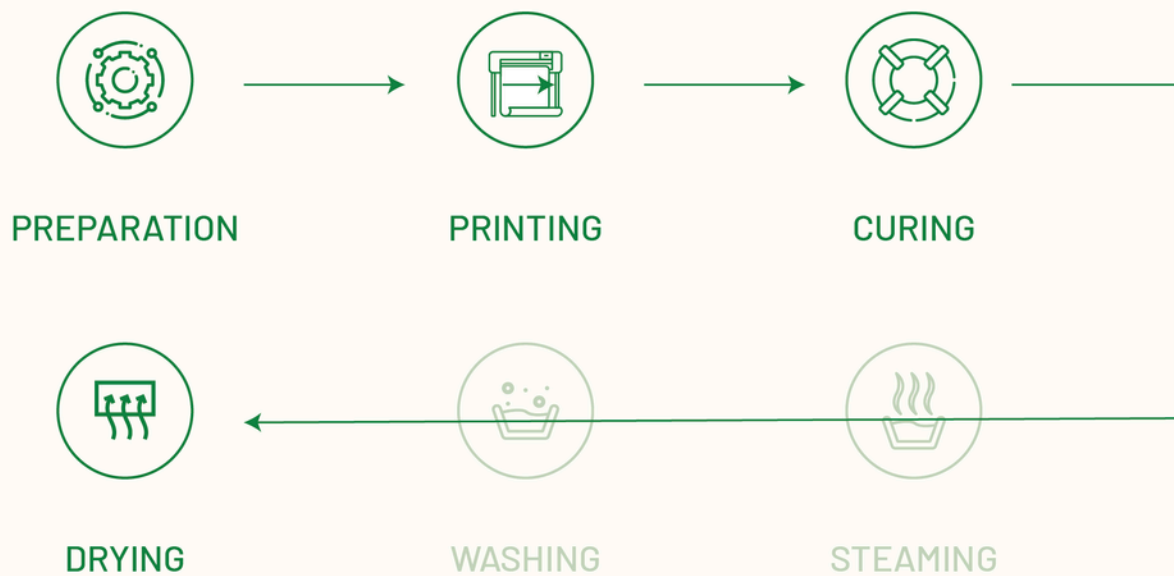
Traditional Method



Other Digital Textile Printing

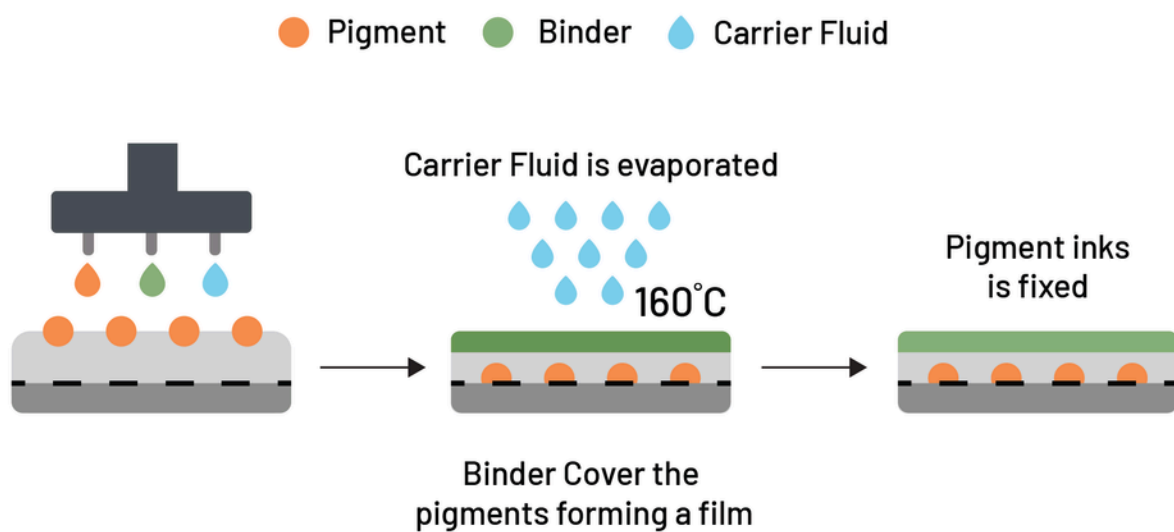


Green Edge Solution



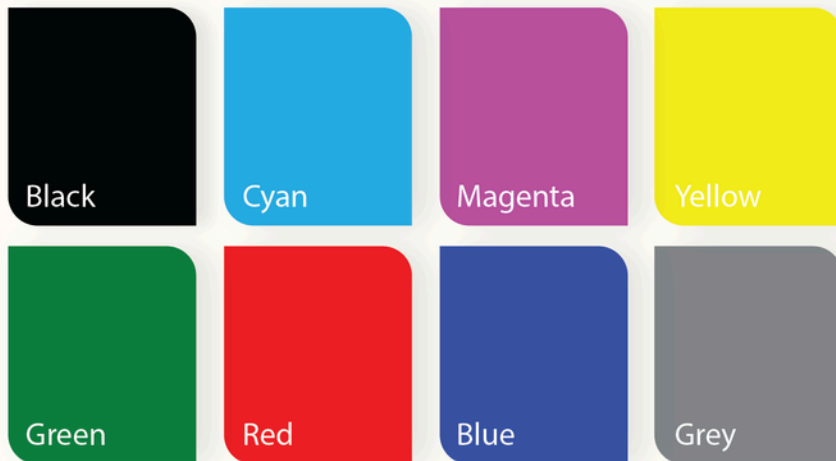
Pigment Ink with Binder Technology

Our specially formulated Pigment Ink with Binder allows the pigments to effectively bond with the fabric, delivering enhanced color fastness and durability. This technology results in high-quality prints that are both eco-friendly and cost-efficient.



Color RANGE

The Orange Green Edge Pigment Ink is available in a wide range of colors, offering vibrant, long-lasting prints with exceptional quality. Available colors include:



Ideal APPLICATIONS

From Fashion to Furnishing – Built to Perform

Promotional
Textiles



Tote Bags



Bedsheets



Curtains



T-shirt

Printer
COMPATIBILITY

FabPro 1i

Print Up to **2,200 LM/Day**
Ricoh Gen 6 Print Head
Blanket Size 1.8m



FabPro 2i

Print Up to **5,500 LM/Day**
Ricoh Print Head
Blanket Size 1.8m



Printer
COMPATIBILITY

K24

Print Up to **5,000 LM/Day**
Kyocera Print Head
Blanket Size Upto 3.2m



K 32



K32

Print Up to **7,500 LM/Day**
Kyocera Print Head
Blanket Size Upto 3.2m

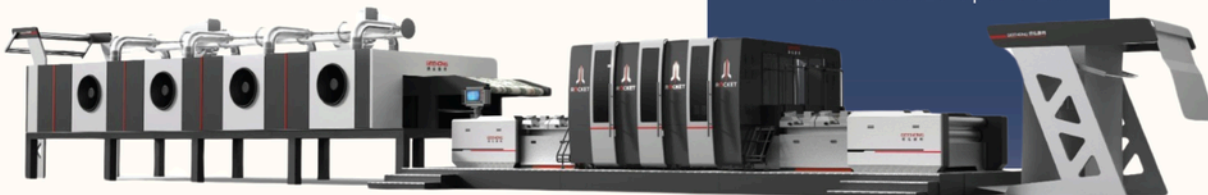
K64

Print Up to **15,000 LM/Day**
Kyocera Katana Print Head
Blanket Size Upto 3.2m



Rocket

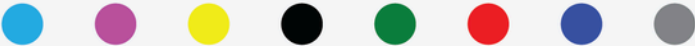
Print Up to **50,000 LM/Day**
Kyocera Katana Print Head
Blanket Size Upto 3.2m



INK THAT LASTS: THE SECRET WORLD OF PIGMENT INKS

Pigment inks are versatile and work on both natural and synthetic fabrics. They sit on the fabric surface rather than bonding with the fibres, which may cause a slightly stiffer feel. However, they offer excellent durability, resisting washing and light fading, ideal for long-lasting prints.

Technical Properties

Colorix			
Model		FabPro 1i	FabPro 2i
Max Printing Width		1850mm	1800mm
Printing Mode		Single / Bi-directional	Single / Bi-directional
Printing Resolution & Speed	Printing Mode 1	600×600 dpi (2 pass)	600×600 dpi (2 pass)
	Speed	Upto 110 Lm/Day	Upto 200Lm/Day
	Printing Mode 2	600×900 dpi (3 pass)	600×900 dpi (3 pass)
	Speed	Upto 80 Lm/Day	Upto 150 Lm/Day
Colours			
Software	NeoStampa		
Image Format	Tiff- Pdf - Jpg - Eps - etc		
Ink Tank Capacity	15L		
Working Condition	24 - 28°C		
Humidity	55% - 65%		

Model		Homer K24	Homer K32	Homer K64	Rocket
Max Printing Width		1900 mm	1900 mm	1800 mm	1850 mm
Printing Mode		Single/ Bi-Direction	Single/ Bi-Direction	Single/ Bi-Direction	Single Pass
Printing Resolution & Speed	Printing Mode 1	508×1200 dpi (2 pass)	508×1200 dpi (2 pass)	508×1200 dpi (2 pass)	600×2400 dpi
	Speed	Upto 280 Lm/hr	Upto 375 Lm/hr	Upto 700 Lm/hr	Upto 4500 Lm/hr
	Printing Mode 2	600×1200 dpi (3 pass)	508×1800 dpi (3 pass)	600×1200 dpi (2 pass)	1200×2400
	Speed	Upto 250 Lm/hr	Upto 265 Lm/hr	Upto 600 Lm/hr	Upto 4800 Lm/hr
Printer Dimension (L/W/H)		15.27 × 7.54 × 7.47 Feet	4400mm × 6090 mm × 2250 mm	5434 mm × 5860 mm × 2296 mm	10500 mm × 4500 mm × 300 mm
Dryer Dimension (L/W/H)		7.18 × 9.35 × 4.59 Feet	5250 mm × 3630 mm × 2900 mm	8757 mm x 3828 mm x 2893 mm	20000 mm × 3600 mm × 3000 mm
Colours	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>				
Software	NeoStampa				
Temp. Range	24 - 28°C				

WHY CHOOSE ORANGE O-TEC GREEN EDGE SERIES FOR TEXTILE PRINTING?

Orange O-Tec Green Edge Pigment Ink offers superior fastness properties and exceptional print sharpness. Designed specifically to maximize the industrial performance of the Orange Green Edge digital printer, this eco-friendly, water-based ink provides remarkable durability and yields longer printhead life, all while maintaining low maintenance costs.

This high-performance digital pigment ink is perfect for a broad range of textile applications. When paired with our tailored preparations, it ensures superior print definition, vivid color intensity, and exceptional wet and dry fastness, making it the ideal choice for your textile printing business.



Orange O-Tec is dedicated to providing top-tier digital textile printing solutions that not only deliver outstanding performance but also contribute to a sustainable and eco-conscious future. Trust us to take your textile printing business to the next level with our innovative Green Edge.



ORANGE

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