

# JetRix

HYBRID COMBINATION DIGITAL LABEL PRESS

Inkjet Solution 7 Colors, Cold Foil/ Digital Foil, Flexo & Converting

**Colorix**<sup>TM</sup>  
AN ORANGE COMPANY

# Who WE ARE?

## Leading the Future of Sustainable Digital Printing

Orange O Tec Pvt. Ltd., based in Surat, Gujarat, is a trusted provider of digital printing solutions. We deliver high-performance, printers designed for modern and sustainable 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 where precision meets performance, and sustainability meets scale.

600+

Successful  
Installations

15+

Years of  
Experience

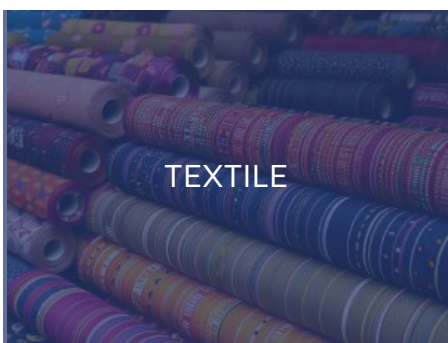
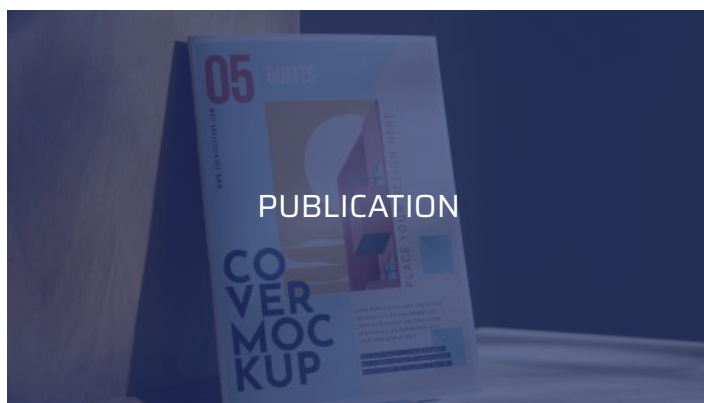
140+

Team  
Strength

75+

Dedicated Service  
Engineer

*A diversified digital technology group  
with digital inkjet technology at its core*



Key

# MILESTONES

**2011**

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



**2017**

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



**2019**

Successfully installed **3500+** Industrial Kyocera Heads & fastest scanning digital printers.



**2021**

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



**2022**

Successfully handling more than **7500 +** Industrial Kyocera Printheads



**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**.



# FOCUS ON LABEL PASSION IN DIGITAL

The JetRix Hybrid sets a new standard in the industry with its outstanding productivity and flexibility. The inkjet unit offers versatile configurations, combining top-notch label printing quality with the multiple processes of flexo printing. It embodies the characteristics of digital printing, including flexibility, variability, diversity, and personalization. Furthermore, it leverages the advantages of cost-effective production and integrated connectivity in flexo printing for small to medium runs with complex processes. With one stop production line from print to finish, it reduces production costs, enables greater process variability, caters to a wider range of demands, and enhances market competitiveness.



This Picture is for reference only, the actual product is subject to the customer's configuration

## MODULE FUNCTIONS



- Plug-in modular design



- Pre Flexo with cold foil unit &  
Camera Inspection System



- Upto 7 color option for achieving  
90%+ color gamut



- G7 Certified Ink



- Integrated electrical cabinet  
within the module



- No need to invest on plate  
cylinders, reduce operating costs

# TECHNICAL PARAMETERS

## INKJET CONFIGURATION

Model	JetRix Hybrid
Printhead Resolution	600 DPI
Max. Printing Width	322 mm
Color Configuration	4–7 Colors

## TECHNICAL PARAMETERS OF FLEXO UNIT

Max. Paper Width	340 mm
Max. Printing Width	330 mm
Printing Length	203.2–635 mm (64–200 T)
Roll Diameter	800 mm
Max. Paper Roll Weight	230 KG
Printing Speed	50 m/min

## SUBSTRATE

Type	PET/PVC/PP/PE/BOPP and other mono film materials; Synthetic paper, coated paper, aluminium foil, and other special materials
Material Width	75–350 mm
Roll Diameter	800 mm
Unwinder/Rewinder Core	3" (Air Shaft)
Thickness	0.02–0.5 mm
Feeding	Roll to Roll
Roll-changing Method	Automatic Lifting

## INK

Ink Type	UV Ink
Color Configuration	Standard Model with White + CMYK, 2 Sets of Spot Color are Optional

## ENVIRONMENT & PHYSICAL

Digital Tower	1700×1585×2130 mm (L×W×H)
Power	AC 380 V
Air Requirement	Industrial Compressed Air Source 0.6–0.8 Mpa
Environment	Temperature: 18–25°C; Independent, Clean, Low Dust; Less Light, Good Ventilation, Humidity: 40–65% (RH)
Input Format	TIFF, PDF, etc.
UV Curing	LED+UV Curing System (Modular Curing Design)
Data Transmission	High-speed PCIE Transmission
Additional Functions	Web Guide, Tension Control, Corona Treatment, Web Cleaner, Electrostatic Removal, Modules LED/UV Curing System, Web Break Sensor, Automatic Diameter Detection, Automatic Ink Consumption Detection, Fully Servo Control System
Size	4700*2995*2130 mm
Weight	Approx 3400kg

# COMBINATION SOLUTIONS (OPTIONAL)

## #1 INKJET PRINTING MODULE

- Prints up to 50m/min with flexible modes.
- New 7-color option covers 90%+ gamut.

### STANDARD CONFIGURATION

- White+ cmyk (optionally available as double White).

### OPTIONAL CONFIGURATION

- Add 1–2 spot colors (O, V, G) or 1–2 sets of varnish/white (gloss/matte) and 3D or raised effects

Provides high-speed, versatile color printing with advanced effects for varied applications.

## #2 TRADITIONAL COLD FOILING MODULE

Combines multi-color printing on foil for metallic finishes and intricate, glossy designs with lasting shine.





## #3 FLEXPRESS PRINTING MODULE

- Semi/full rotary flexo system for fast label production
- Intermittent flexo allows plate-free changes, reducing costs
- Supports multiple colors and one-pass production
- Twin servo flexo system ideal for multi-layer labels
- Install before/after digital unit
- Achieve true Pantone® spot colors
- Ideal for special labels (e.g., temperature, water-change, impact, heat/water transfer)

The JetRix Hybrid combines digital and flexo printing for versatile, efficient label production. It supports multi-color printing before/after digital steps, using intermittent/full rotary flexo to cut waste and cost. With compact plate sizes and multi-process support, it expands capabilities for special applications.

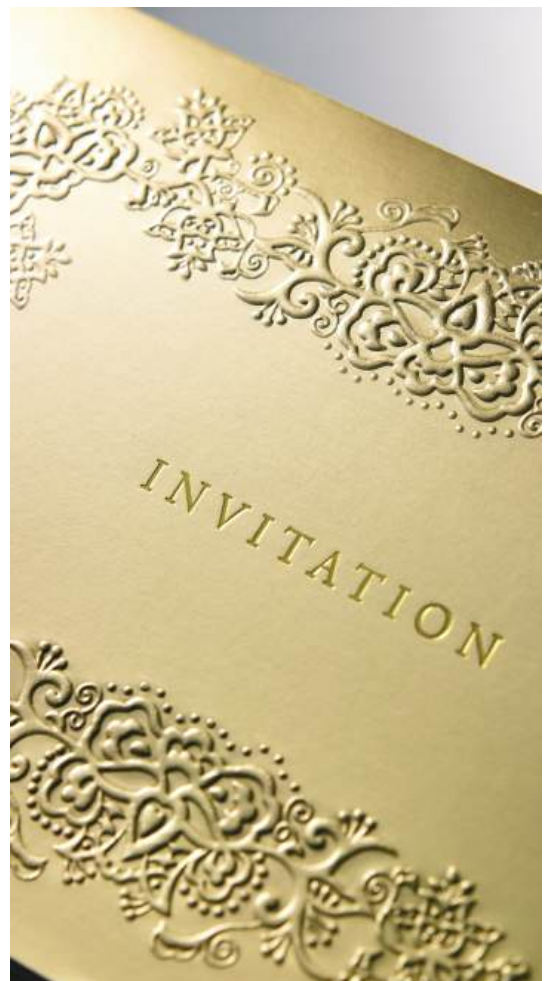


## # 4 DIGITAL FOILING MODULE

Optional digital foiling/lamination module for seamless, single-line production.

- Uses digital inkjet for instant foiling
- Enables personalized labels and supports various materials

JetRix Hybrid integrates digital foiling for on-demand customization and broader material compatibility—enhancing flexibility and efficiency.





# EXPEND YOUR IMAGINATION

- Plug and Play module system for future expansion on your need.
- The design allows for the extension of color modules and die-cutting modules, facilitating the handling of more complex jobs in the future.
- Unlock new functionalities and features to maximize productivity and efficiency.



Stable  
Color



Superb Short  
Run

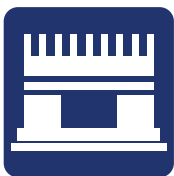


Variable Data anchor  
Color QR Code

## CGS COLOR MANAGEMENT FEATURES

- Color rebalancing optimization reduces ink usage by over 10%
- Unique honeycomb spot color swatch for faster matching
- Faster drying time with consistent image quality
- Built-in Pantone library for accurate spot color reproduction
- Complies with G7, Fogra, and ISO 12647 color standards
- Supports color matching across various printing methods

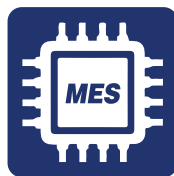
## INDUSTRIAL DIGITAL PRINTING SOLUTION PROVIDER:



Independent  
printhead drive  
technology



Self-developed  
Control  
system



Self-developed  
MES  
system



Independent  
ink industrial  
chain



Remote service  
maintenance system  
& local services

# SPECIAL FEATURES



## KYOCERA KJ4A PRINTHEAD

- 600 DPI resolution with advanced piezo tech for industrial printing
- 2,656 nozzles, 108.25mm width for high productivity
- 3-14 pL drop volumes for precise control and fine detail
- Redundancy design reduces downtime from nozzle failures

## G7-CERTIFIED UV INKS

- UV-curable, G7-compliant
- Strong adhesion on flexible, rigid, and label materials
- 30-40 mPa-s viscosity optimized for Kyocera heads



## AUTOMATED CLEANING SYSTEM

- One-click, full cleaning in under 2 minutes
- Compressed air capping to prevent clogs
- Doctor blade keeps printhead pristine

## TEMPERATURE CONTROL

- Real-time monitoring up to 60°C
- Multi-zone heating for consistent ink flow
- Nozzle deviation compensation in tough environments



## PROPRIETARY ELECTRONICS

- Fast job switching with custom OS
- Tracks pressure, temp, and consumption in real time
- Works with Windows, Linux, UNIX

## SOLID CONSTRUCTION

- Steel frame with modular structure for high precision
- 0.1µm linear drive positioning
- High-quality global components ensure stability and reliability



# RANGE OF APPLICATION



Pharma & Agro  
Labels



Wine & Water  
Labels



Food &  
Beverages



Variable Data  
Printing



Cosmetics & Daily  
Chemicals



Pharmaceutical  
Aluminium Foil



Shrink  
Labels



Laminated  
Tubes



Tyre & Lubricant  
Labels

## PRINTING MATERIALS



Paper Types

Glossy Coated Paper, Matte Paper, Thermal Paper, Synthetic Paper, etc.



Film Types

Mainly synthetic film materials (such as PE, PP, PVC, PET, etc.)



Special Applications

Metal Aluminum Foil, ABL/PBL, Folding Cartons, etc.



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