

COLORJET DELIVERS IMPECCABLE PRINT RESULTS
& FLAWLESS SERVICE ACROSS THE WORLD



Create New Value in Printing

Pro Label / Max Label UV Digital Label Press



COLORJET GROUP

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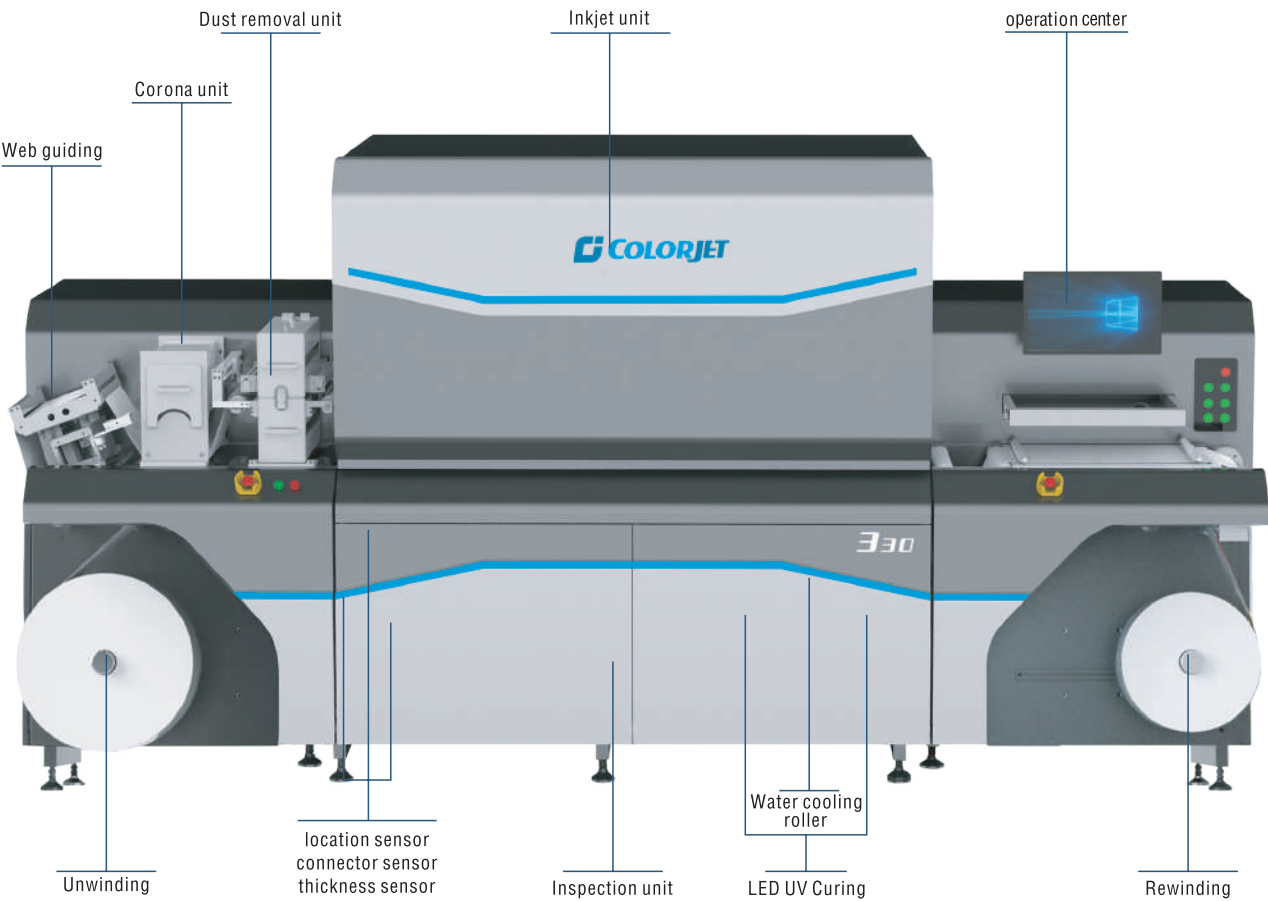
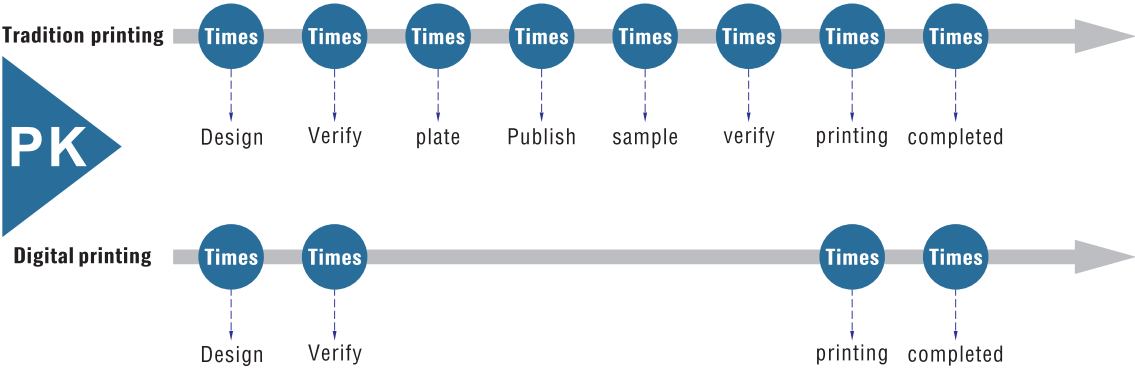
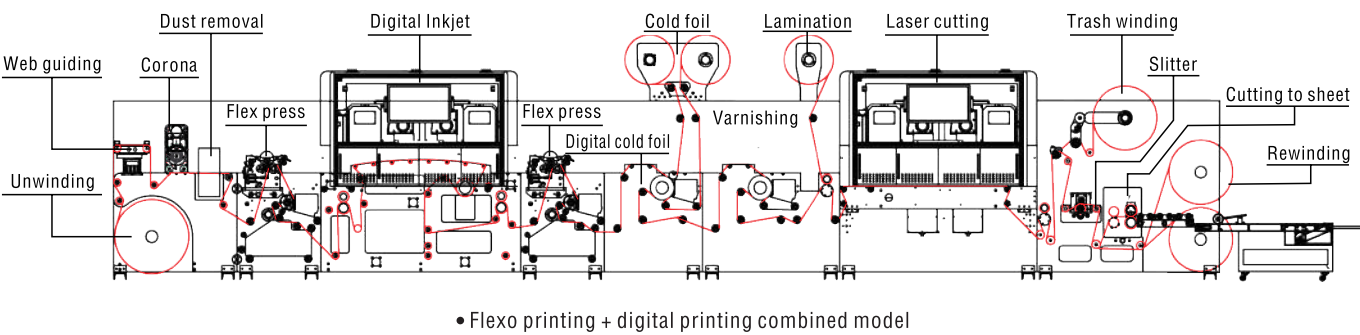
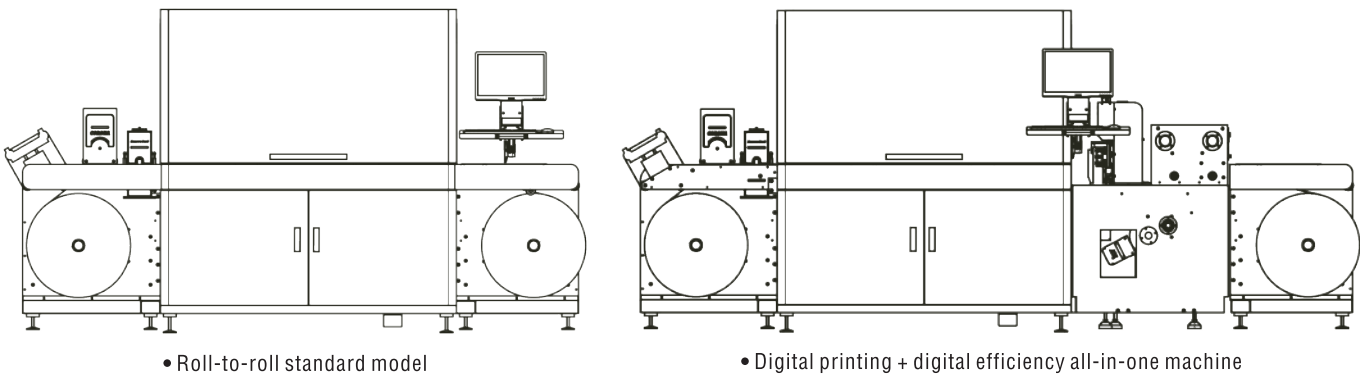
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Digital Label Inkjet Printing Machine

For label processing companies, ColorJet has developed printing equipment covering white and spot colors up to 8 colors, providing higher label printing quality and more accurate color management restoration. It not only helps companies increase business opportunities and improve sampling rates, but also reduces production costs and simplifies traditionally complex processes.

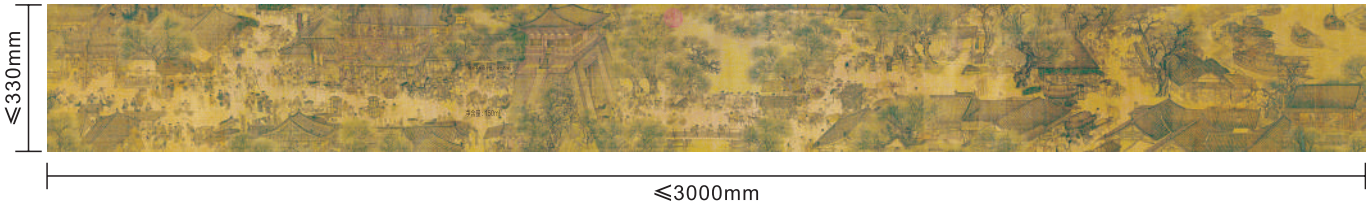
To meet the production needs of different enterprises and improve the flexibility of digital printing, ColorJet has launched a variety of digital inkjet solutions:

- Roll-to-roll standard model
- Digital printing + digital efficiency all-in-one machine
- Digital printing modules (embedded into traditional equipment)
- Flexo printing + digital printing combined model



Technological innovation, wider industry application

Long label
Print length: Max 3 meters



Seamless printing
Seamless printing between multiple files



Leading Industrial-grade inkjet platform

High speed and high precision industrial printhead

- ◆ Industrial piezoelectric printhead design, highly reliable in harsh industrial environments
- ◆ Fine ink dot design, minimum ink drop size 3pl, suitable for high-definition images, making details richer
- ◆ Multi-level variable droplet volume is suitable for printing with different image quality requirements. The combination of multi-level droplets makes the color levels more delicate and natural.



High quality environmentally friendly ink

- ◆ Compliant with BS5609 and UL certification, this series of UV inks have good weather resistance, chemical resistance and water resistance, and are designed to provide the widest color gamut.
- ◆ The adhesion provided by our inks eliminates the need for pre-coating or varnishing on most substrate types, saving significant time and money
- ◆ Reliable ink is beneficial to standby time and continuous printing stability, reducing maintenance times and reducing ink consumption.
- ◆ Light fastness (blue wool standard grade) up to grade 7

Automatic nozzle height adjustment system

- ◆ The built-in high-precision sensor can accurately detect subtle changes in paper thickness, perform data analysis, and calculate the relative nozzle height adjustment value.
- ◆ The system always ensures that the distance between the nozzle and the material is maintained at the golden height of 1mm, which is a key parameter to ensure that the printed ink droplets reach the optimal state.
- ◆ It can effectively protect the nozzle from scratching the paper and avoid damage to the nozzle.

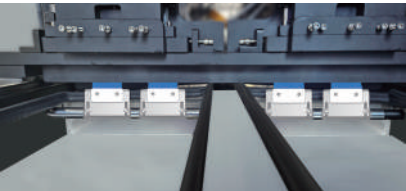
High-precision machine mechanism

- ◆ High-precision roller reduces material bounce and ensures ink droplet ejection shape and accuracy
- ◆ Closed-loop tension combined with real-time tension compensation eliminates stretch and jitter caused by material movement, allowing ink to be sprayed onto the media more accurately and reducing color unevenness.
- ◆ Automatic printing module adjustment controls the gap between the print head and the media within the optimal range.



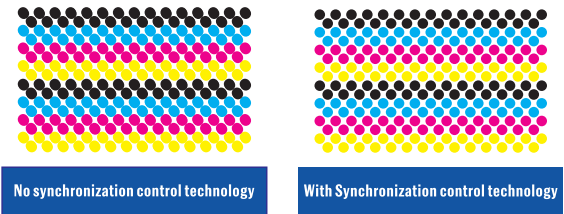
Automatic nozzle cleaning and moisturizing

- ◆ Automatically start nozzle cleaning to shorten downtime for maintenance.
- ◆ The innovative double cleaning structure cleans the residual ink and dirt on the scraper blade, making the cleaning more thorough and conducive to the protection of the print head.
- ◆ Automatic moisturizing technology is conducive to long-term shutdown and storage.



Reliable synchronous control technology.

- ◆ A high-resolution encoder is used to ensure that the printing board and material movement are synchronized.
- ◆ Unique printing data and motion control technology ensure that nozzle printing and material movement are synchronized.
- ◆ It achieves high-precision media feeding and improves the overprinting accuracy between nozzles and the uniformity of dots.



circulating ink system

- ◆ circulating ink path system improves the coverage of ink, especially white ink, which is stable at all times.
- ◆ The ink circulates continuously in the ink path to ensure that the pigment does not settle and eliminates all potential risks of ink and pigment mixing.
- ◆ Multi-stage circulation eliminates bubbles in the ink in a timely manner, helping to improve printing quality and reliability.



Reliable workflow

Job management

- ◆ Supports TIFF, EPS, PS, PRN, PDF, JPG, DOC and other file formats
- ◆ Multiple types of historical file management
- ◆ Visualized and efficient workflow settings

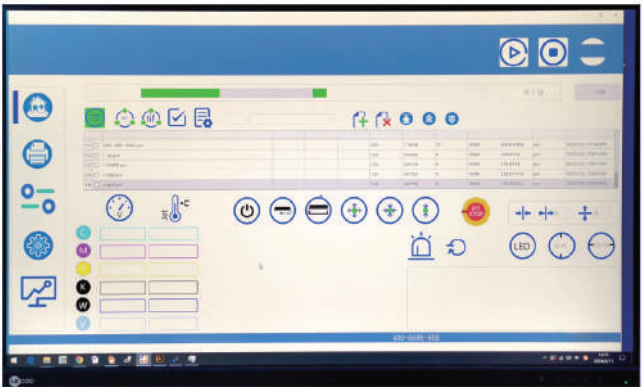
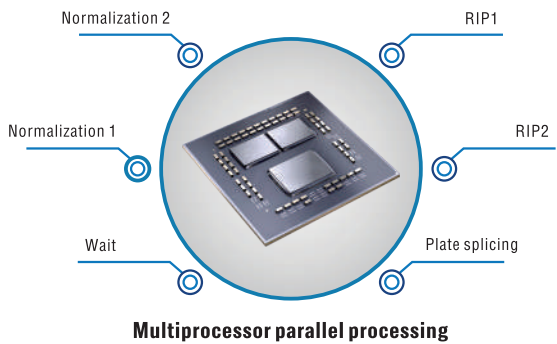


Image Processing

- ◆ Efficient image RIP process
- ◆ Simple and easy to use operation process
- ◆ High quality image output



Variable data printing

- ◆ Monochrome and color variable data can be realized
- ◆ Supports over 100 different types of variable barcodes
- ◆ You can create variable types such as serial numbers, images, text, shapes, garbled characters, etc.
- ◆ Powerful data management function effectively prevents duplicate codes, garbled codes, and wrong codes from appearing.



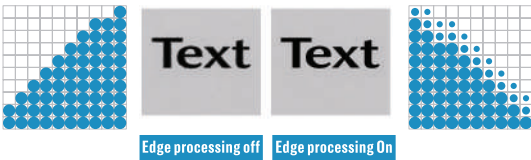
Material management

- ◆ Complete material process management database
- ◆ Accurate process data calling plan
- ◆ Can meet application needs in many fields



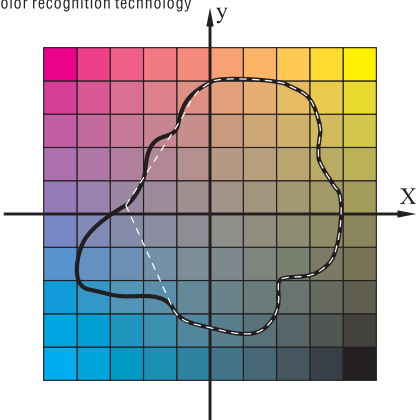
Quality text edge processing

- ◆ Unique text edge feathering technology, automatically detects the edges of images and text
- ◆ Mature ink and material matching solution
- ◆ Use small and medium ink dots to draw to improve the printing quality of fine lines and text



Color management

- ◆ Pantone color covers 80%
- ◆ Comprehensive color ICC matching database
- ◆ Accurate spot color recognition technology



Industry Applications

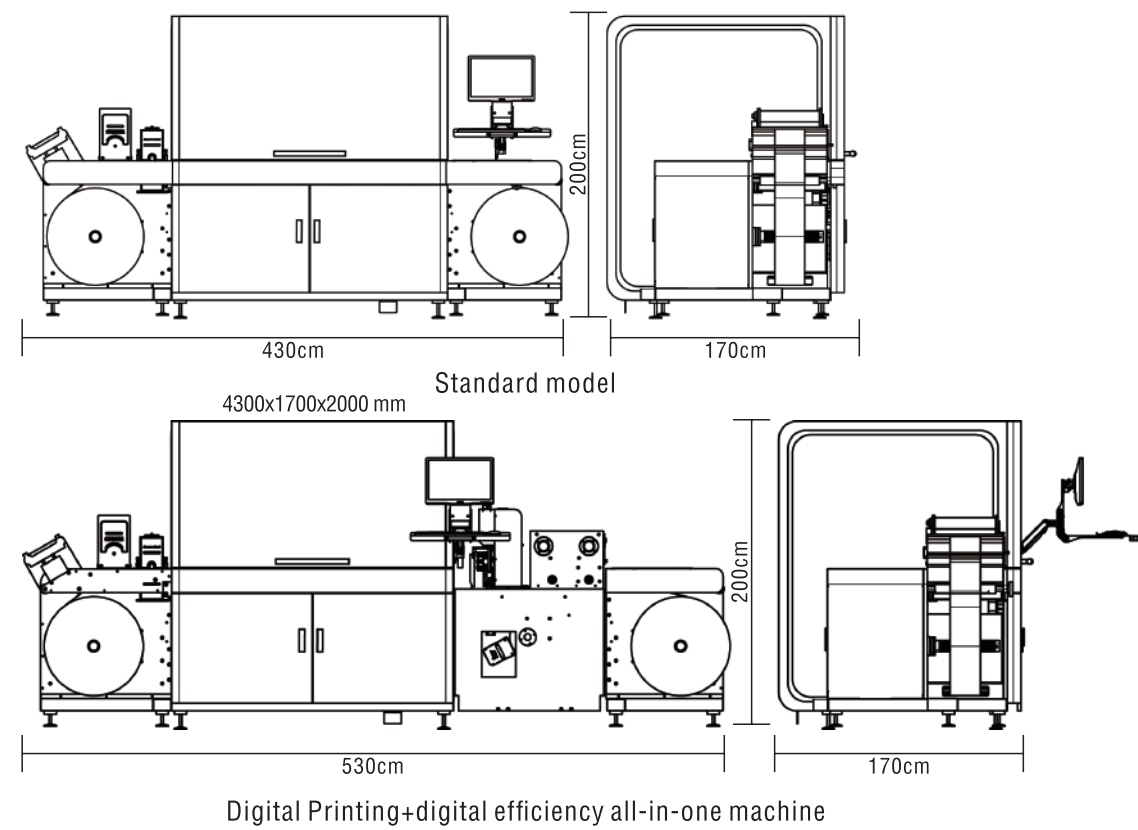
Technical Parameter

Material application scope

Membrane or film material: PET/PVC/PP/PE/BOPP Foil materials: aluminum, tin and other special materials
Paper material: synthetic paper and coated paper



Equipment specification



Item	parameters			
Model	Max Label – 220	Max Label – 330	Pro Label – 220	Pro Label – 330
Brand printhead	Kyocera			
Inkjet parameters				
Model of printhead	High-precision industrial piezoelectric nozzle			
Max Print width	220mm	330mm	220mm	330mm
Nozzle physical resolution	1200dpi (Four levels of gray)		600dpi (Four levels of gray)	
Color ink	CMYK(Standard) , W+CMYK,CMYK+V, W+CMYK+OG+V(optional)			
Ink drop size	2-7-11-14pl			
Print speed	1200x900dpi:100m/min 1200x1200dpi:80m/min		600x600dpi:50m/min 600x1200dpi:30m/min	
Platform parameters				
Material width	60-360mm			
Material roll diameter	800mm			
Material thickness	0.03-0.5mm			
Cleaning method	Double-sided contact dust removal + plasma static electricity removal			
Material Handling	Corona or Flex Pre-coat(optional)			
Applicable materials	Coated paper, synthetic paper, PE, PET, PVC, etc.			
Function	Unwinding & Rewinding control, Paper feeding function, edge correction function, static elimination function, tension detection, material break detection, drying system, joint protection, printing system, automatic nozzle cleaning, nozzle moisturizing function, visual inspection (optional), still image (optional), reinstallation printing			
Ink path control				
Ink type	Eco-friendly UV ink			
Ink color	WCMYKOVG optional			
Ink capacity	5L each color			
Ink path type	Circulating Ink system,White Ink Stirring settings			
Software control				
Data transmission	10G network and Gigabit network			
RIP software	CG or other RIP			
Control software	Max Label Color Control Software		Pro Label Color Control Software	
Load file	PDF、PDF/VT、PNG、PRN、Tiff, etc.			
Curing control				
Pre curing	White pre-curving, CMYK pre-curing			
Strong curing	LED lamp and Mercury lamp			
Cooling system	Water-cooled roller cooling			
Installation Environment				
Size(L*W*H)	4300x1700x2000 mm			
Max Power	Three phase 380V 50/60Hz 33KW			
Weight	4000KG			
Working temperature	23-28℃,Optimum working temperature 28℃			
Working humidity	40-70% ,Optimum working humidity 45-65%RH			
Air supply requirements	0.6MPa,Water-free and oil-free clean compressed air			

★The printing speed is subject to the customer's actual proofing test. Different resolutions have different speeds. The theoretical maximum speed is .