



Industrial Printer solution for decor print



Decor Ink

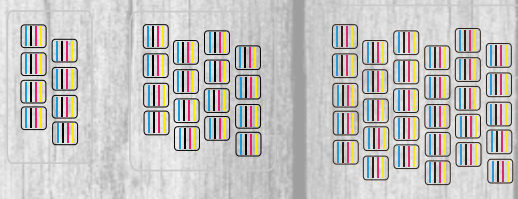


The colours used are based on exactly the same pigments as those used in analogue printing. This eliminates the risk of metamerism.

Flexible configuration

Different quantity of Epson i3200 Heads

8 16 30



Variable speed and quality modes available.

600 x 600	2 Pass
600 x 600	3 Pass
600 x 1200	4 Pass
1200 x 1200	6 Pass

Details



Mute Linear Motor System, no belt, high resolution encoder. Increase the Carriage moving precision and Span life;



Negative pressure ink supply system. Excelent for long time printing and cleaning.



Vertical slotted air guide platform, making the paper surface more flat

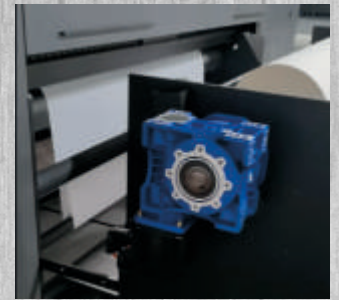




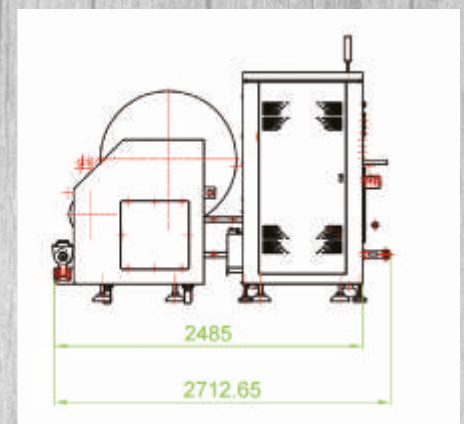
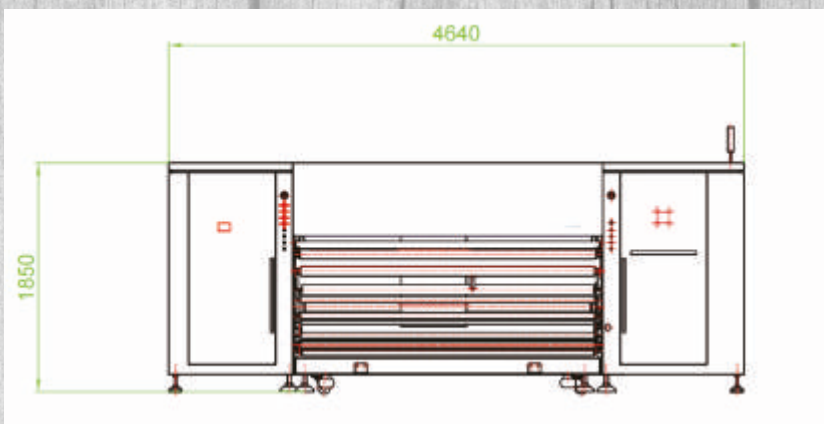
Paper handling



Air expansion shaft rubber strip rolls collection and release, to ensure that the collection of material more stable and flush, folding bearing



Paper tension and feeding control.



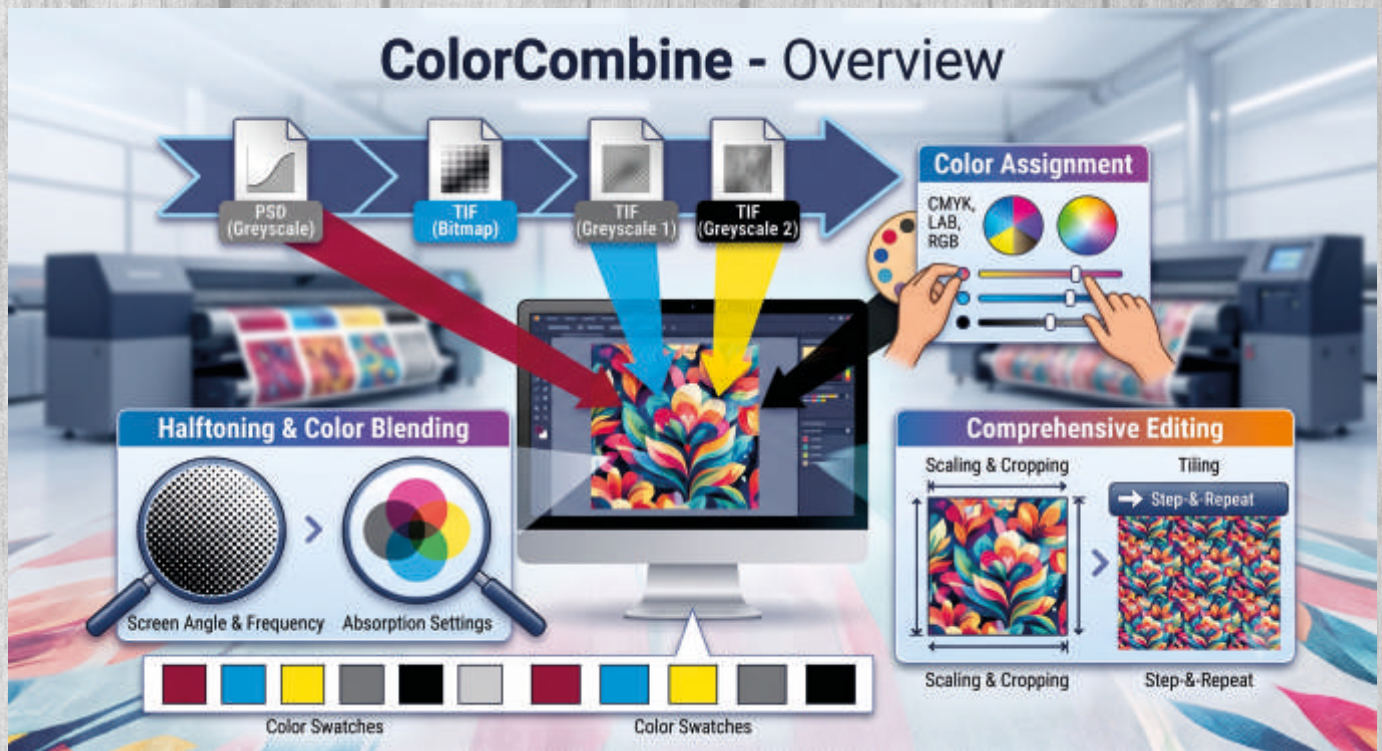
Technical details

Model		16 Head example
Print Head		16pcs I3200-A1 Print Heads
Droplet Size		3.5pl
Printing Width		86.6 in.(2200 mm)
Printing Speed		1pass(600x600dpi): 7274 sqft (690 sqm/h) 2pass(600x1200dpi): 3875 sqft (360 sqm/h)
Ink Cartridges	Type	Decor ink preparation
	Supply	Negative pressure ink supply system
	Color	CMYK / CMYKLCMLKLLK
Print Media		Heat Transfer Paper
Print media control		Air expansion shaft Take-up System
Dryer		External Automatic Air Heat Integrated Dryer
Moisturizing unit		Automatic Cleaning and Moisturizing Integrated Captop
RIP Software		Color combine special edition
File Format Supported		JPG / TIFF / PDF, etc
Computer Configuration	Operating System	win7 64 bit / win10 64 bit
	Hardware Requirements	CPU: i7 Processor (9th generation or higher) Hard Disk 500g+ (solid state disk) Operating Memory 16g, Graphics Card: ATI display 4G memory, Motherboard: ASUS, Gigabyte
	Data transmission	USB3.0
Power requirement	Input Voltage	AC 220 V $\pm$ 5%, 16A, 50 HZ $\pm$ 1
	Printer	3500W
	Drying unit power	Maximum 15.5kw
Dimensions(with stand)		158(W)x109(D)x68.9(H) in. 4020(W)x2767(D)x1750(H) mm
Package Dimensions		162(W)x112.8(D)x72.8(H) in. 4120(W)x2867(D)x1850(H) mm
Working Environment		Temperature 15-32 degrees C, Humidity: relative humidity: 40-70 (non condensing)
Standard Components		External Automatic Air Heat Integrated Dryer, Low Ink Alarm System, Air Shaft Media Loading and Take-up, and Automatic Moisturizing and Cleaning Init





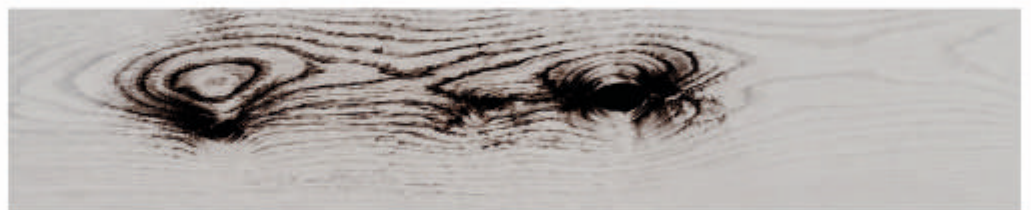
Colour combine



Color Separation Breakdown



Panel 2: Deep Dark Knots and Dark Grain



Panel 3: Residual Pink/Salmon Tones and Highlights





Detailed Integration Workflow

Step 1: Design & Separation in AVA CAD/CAM, PHOTOSHOP etc.

- Create or import the decor design in AVA.
- Perform color separation into grayscale layers (exactly the same way as for cylinder engraving).
- Export the separations as TIFF or compatible files (one file per color channel).
- Benefit for laymen: AVA ensures the pattern repeats perfectly and the colors are prepared for both digital and analog production.

Step 2: Import & Coloring in Colour Combine

- Open JobComposer.
- Use the **Colour Combine** module (Tools ▢ Colour Combine or toolbar icon).
- Import the grayscale separation layers.
- Assign colors (Light Cyan, Light Magenta, Cyan, Magenta, Yellow, Black, etc.) to each layer.
- Adjust order of layers, overprint settings, halftone screening, and dot gain to simulate the analog printing feel.
- Preview the combined result with soft-proof features (gamut warning, high-quality printer preview).
- Save as a composite job or preset for repeatable use.

Step 3: Profile & RIP Settings

- Apply the correct ICC color profile for your Epson i3200 Light CMYK setup.
- Set resolution, drop size, and speed according to the proof or production mode.
- Use color books and replacement tools to match company standards.
- Output the job ready for the Clusterjet Controller (via Hotfolder, direct driver, or network connection).

Step 4: Send to Clusterjet Controller + Epson i3200

- The Clusterjet system receives the RIPped data.
- Controller handles waveform, timing, and synchronization for the printheads.
- Print on the proof printer (or scaled production machine) using the custom overlay paper with coating.
- Perform maintenance (capping, wiping) as needed via the controller interface.

Result in digital and analogue

