SPECIFICATIONS

MODEL NUMBER	C4050
SKU Number	C31CK03106
Print Technology	
Technology	Serial Inkjet PrecisionCore TFP with Nozzle Verification Technology
Colour	Four-colour printing, individual ink cartridge
Ink	UltraChrome DL pigment ink: C, M, Y, K, (MK[*2])
Ink Cartridge	
Colour (Pigment Ink)	Cyan, Magenta, Yellow, Black, Matte Black[*2]
Model	SJIC46P(C), SJIC46P(M), SJIC46P(Y), SJIC46P(BK), SJIC46P(MK)
Print Resolution	Up to 1,200 × 1,200 dpi
Printing Width	Max. 108mm
Print Speed	Max. Speed (300x600dpi): 100mm/sec
	Max. Speed for Glossy Media (600x600dpi): 48mm/sec[*2]
	when printing 101.6mm Width
Interfaces	Hi-Speed USB 2.0 and Ethernet (100BASE-TX /10BASE-T)
	[Use of Optional product OT-WL06]
Barcode Font	UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), Code39, ITF, Codabar, Code93,
(Printer Driver Built-in)	Code128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated,
	GS1 DataBar Limited, GS1 DataBar Expanded
Two Dimensional Symbols	PDF417, QR Code, Maxi Code, GS1 DataBar Stacked, GS1 DataBar Stacked
	Omnidirectional, GS1 DataBar Expanded Stacked, DataMatrix, Aztec Code,
	MicroPDF417, Micro QR Code
Media Source	Roll-fed, Fanfold
Media Types	Plain, Matte, Textured, Synthetic, Glossy, High glossy, Wristband

Paper Specifications[*3]

Media Form	Label Width	Backing Paper Width	Label Thickness
Roll	21.4 – 108 mm	25.4 – 112 mm	0.08 – 0.24 mm
Fanfold	46 – 108 mm	50 – 112 mm	0.08 – 0.24 mm
External Roll Diameter	Max. 101.6 mm		
Winding Direction	Face Out		

Paper Core Diameter	Plain Label, Matte Label, Synthetic Label: min. 44.1mm
	Glossy Label, Wristband: min. 56.8mm
Number Of Folds	Fanfold Paper: 500 or Less
Winding Direction	Face Out
Temperature / Humidity	
Printing	5 – 35°C / 20 – 80% RH; Barcode Printing: 15 – 35°C / 20 – 80% RH
Storage	When Packed (Ink not charged): -20 - 60°C / 5 - 85% RH
	(Without Condensation)
Overall Dimensions (D x W x H)	283 x 310 × 285 mm
Mass	Approx. 13.0 kg
Power Supply	Dedicated AC Adapter
Power Consumption	
Printing	Approx. 28.2W
Standby	Approx. 2.6W
Rated Voltage	AC 100 – 240 V
Rated Frequency	50 – 60 Hz
EMC Standards	Europe: CE Marking
	North America: FCC Class A, CAN ICES-3 (A)/NMB-3 (A)
	Oceania: Radiocommunications (Electromagnetic Compatibility) Standard, Class A
Safety Standards	Safety Smark (Singapore)

*1 Option to use Matte Black Ink (MK) or Gloss Black Ink (BK). Usage of these 2 inks depends on application and media type used.
*2 When printing 101.6mm width.
*3 For detail paper specifications, please refer to the printer's manual.
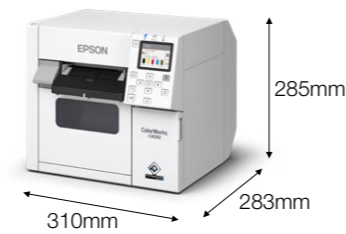
Usage Restrictions:
When this product is used for applications requiring high reliability / safety such as transportation devises related to aviation, rail, marine, automotive etc.; disaster prevention devises; various safety devise etc; or functional / precision devise etc, you should use this product only after giving consideration by inclusion of fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability / safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care etc, please make your own judgment on this product's suitability after full evaluation.

Epson ColorWorks ink is not intended for direct food contact.

Find out more at **www.epson.com.sg/colorworks**

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Dimensions & Weight

C4050
Weight: Approx. 13kg

285mm
310mm
283mm

Consumables

C13T52R100	SJIC46P-BK
Ink Cartridge Black	
C13T52R200	SJIC46P-C
Ink Cartridge Cyan	
C13T52R300	SJIC46P-M
Ink Cartridge Magenta	
C13T52R400	SJIC46P-Y
Ink Cartridge Yellow	
C13T52R500	SJIC46P-MK
Ink Cartridge Matte Black	
C33S021601	SJMB4000
Maintenance Box	

Options

C32C882101	OT-PT40
Paper Tray	
C32C882201	OT-CU40
Auto Cutter Unit	
C32C891328	OT-WL06-328
Wireless LAN Set	

Dealer's Stamp

Information correct at time of printing
Printed May 2022

INKJET COLOUR LABEL PRINTER
COLORWORKS C4050
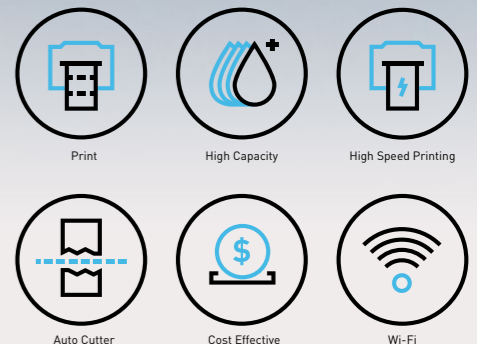
EPSON
EXCEED YOUR VISION

DELIVER HIGH QUALITY COLOUR LABELS ON-DEMAND.

On-demand colour label printing with high efficiency at reduced costs.

Equipped with new and improved PrecisionCore Micro TFP printheads, Epson's C4050 colour label printer is the perfect solution for industrial, F&B, warehousing, medical and other labelling applications. With increased efficiency thanks to its speedy print of up to 100mm per second, the durable C4050 delivers vivid, high quality, and high-resolution on-demand colour labels whenever you need them.

Remember, **it's in the details.** Find out more at epson.com.sg/colorworks

Print | High Capacity | High Speed Printing
Auto Cutter | Cost Effective | Wi-Fi

High Resolution Printing
Vivid and crisp label printing at 1200x1200dpi with improved PrecisionCore Micro TFP printheads.

Efficiency & Versatility
Prints on a wide variety of media at a speed of up to 100mm per second with increased ink capacity to reduce downtime.

Better Inventory Management
Save up to 50% on labelling costs without needing to stock up on different types of pre-printed labels.

Epson's new and improved ColorWorks C4050 allows on-demand colour label printing, reducing labelling costs with paper-saving and ink-saving functionality. Producing superior label quality at 1200x1200 dpi with the innovative PrecisionCore Micro TFP printheads, it is the perfect solution for various labelling applications in industries such as F&B, medical, logistics, and more.

Superior Print Quality

Together with the UltraChrome DL pigment inks and advanced PrecisionCore Micro TFP printheads, the ColorWorks C4050 ensures labels are delivered in crisp and intense text and barcodes, as well as clear and vibrant graphics. The prints are also quick drying and durable, and are fade, smudge and water-resistant.

Epson pigment ink	Dye-based ink
Epson pigment ink is not water soluble and firmly binds to media fibers, resisting water and other moisture.	Conventional dye-based ink is water soluble so printouts can be negatively affected by water and other moisture.

With the auto nozzle check system, the sensors are able to detect clogs and quickly clean the nozzles automatically so you can enjoy a fuss-free printhead maintenance, ensuring high quality and reliable prints every time.

Without Auto Nozzle check system   With Auto Nozzle check system

Wide Variety of Media

Print on a wide range of media, from plain, synthetic, matte to glossy stock, the C4050 ensures high-resolution and rich labels, giving you sharp graphics. The label printer can also handle roll, fanfold, die cut or continuous label media.

Premium matte ticket   High gloss label

Premium matte label   PE matte label

Colour Matching

Spot matching function and colour matching functionality (ICC profile and spot colour matching tool) aids in delivering spectacular and impactful prints.

Epson SD-10 Digital Colour Spectrophotometer

Advanced Printhead

Using Epson's innovative industry-leading Micro TFP technology, the ColorWorks C4050 is equipped with the enhanced PrecisionCore Micro TFP printheads, delivering accurate and vibrant prints. With high-speed printing of up to 100mm per second, you can rely on the C4050 for all your labelling needs, including small text, graphics, and barcodes.

On-Demand Colour Label Printing

Designed to meet high-mix, low-volume applications, the C4050 allows you to print multiple label variations swiftly, improving product identification and productivity. Print brilliant and sharp colour codes, images and pictograms to highlight relevant information, especially for industries that demand precise labelling.
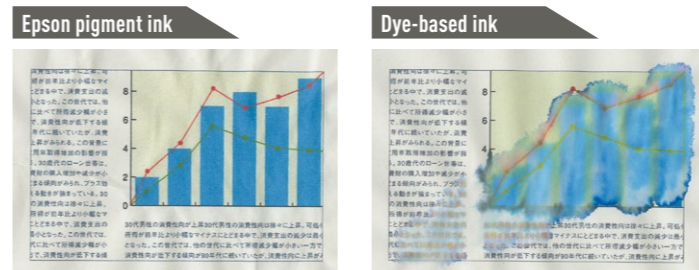
Improved Performance

Compact and durable, the C4050 label printer is user-friendly and easy to operate. Equipped with Wi-Fi option, operators can connect directly to their mobile devices, sending labels to print seamlessly. Using the 2.7" Colour LCD screen, users can easily check on the print status and ink levels, reducing downtime.

2.7" Colour LCD   Convenient Paper Load   External Rear Feed

Print Width	108 mm
Print Resolution	Up to 1200 x 1200 dpi
Speed	Up to 100 mm/sec
Paper Feed	Internal roll or external rear feed
Ink Cartridge	UltraChrome DL Ink C, M, Y, BK, (MK*)

Ease-of-Operation and Maintenance

Supporting all major labelling software, the C4050 has an added Mac/Linux driver with WebConfig support. Easy installation and maintenance allow operators to monitor ink supply levels on the 2.7" colour LCD display. Equipped with a user-replaceable auto cutter unit and Epson Device Admin support, businesses can reduce downtime and minimise operational delays.

Epson Device Admin

Increased Ink Capacity

With individual CMYK* cartridges, you only need to replace each colour as it is used up. This means no wastage of ink and the ability to print large volumes continuously for greater savings and reduced production time. The addition of matte black ink increases the range of colour customers can reproduce.

EPSON ULTRACHROME DL INK

*Option to use Matte Black Ink (MK) or Gloss Black Ink (BK). Usage of these two inks depends on the application and media type used. Please note that ink configuration is fixed upon purchase and cannot be switched to another ink set.