

## SPECIFICATIONS

|   |  |                     |                 |
|---|--|---------------------|-----------------|
| <b>MODEL NUMBER</b>                     | <b>C4050</b>   |                     |                 |
| <b>SKU Number</b>                       | C31CK03106   |                     |                 |
| <b>Print Technology</b>                 | Serial Inkjet PrecisionCore TFP with Nozzle Verification Technology  |                     |                 |
| <b>Colour</b>                           | Four-colour printing, individual ink cartridge   |                     |                 |
| <b>Ink</b>                              | UltraChrome DL pigment ink: C, M, Y, K, (MK <sup>2</sup> )   |                     |                 |
| <b>Ink Cartridge</b>                    | Cyan, Magenta, Yellow, Black, Matte Black <sup>2</sup>   |                     |                 |
| <b>Colour (Pigment Ink)</b>             | Cyan, Magenta, Yellow, Black, Matte Black <sup>2</sup>   |                     |                 |
| <b>Model</b>                            | SJIC46P(C), SJIC46P(M), SJIC46P(Y), SJIC46P(BK), SJIC46P(MK)   |                     |                 |
| <b>Print Resolution</b>                 | Up to 1,200 x 1,200 dpi  |                     |                 |
| <b>Printing Width</b>                   | Max. 108mm   |                     |                 |
| <b>Print Speed</b>                      | Max. Speed (300x600dpi): 100mm/sec<br>Max. Speed for Glossy Media (600x600dpi): 48mm/sec <sup>2</sup><br>when printing 101.6mm Width   |                     |                 |
| <b>Interfaces</b>                       | Hi-Speed USB 2.0 and Ethernet (100BASE-TX / 10BASE-T)<br>[Use of Optional product OT-WL06]   |                     |                 |
| <b>Barcode Font</b>                     | UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), Code39, ITF, Codabar, Code93,<br>(Printer Driver Built-in)  |                     |                 |
| <b>Two Dimensional Symbols</b>          | Code128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated,<br>GS1 DataBar Limited, GS1 DataBar Expanded<br>PDF417, QR Code, Maxi Code, GS1 DataBar Stacked, GS1 DataBar Stacked<br>Omnidirectional, GS1 DataBar Expanded Stacked, DataMatrix, Aztec Code,<br>MicroPDF417, Micro QR Code |                     |                 |
| <b>Media Source</b>                     | Roll-fed, Fanfold  |                     |                 |
| <b>Media Types</b>                      | Plain, Matte, Textured, Synthetic, Glossy, High glossy, Wristband  |                     |                 |
| <b>Paper Specifications<sup>3</sup></b> |  |                     |                 |
| <b>Media Form</b>                       | 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   |                     |                 |
| <b>Paper Core Diameter</b>              | Plain Label, Matte Label, Synthetic Label: min. 44.1mm<br>Glossy Label, Wristband: min. 56.8mm   |                     |                 |
| <b>Number Of Folds</b>                  | Fanfold Paper: 500 or Less   |                     |                 |
| <b>Winding Direction</b>                | Face Out   |                     |                 |
| <b>Temperature / Humidity</b>           |  |                     |                 |
| 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<br>(Without Condensation)   |                     |                 |
| <b>Overall Dimensions (D x W x H)</b>   | 283 x 310 x 285 mm   |                     |                 |
| <b>Mass</b>                             | Approx. 13.0 kg  |                     |                 |
| <b>Power Supply</b>                     | Dedicated AC Adapter   |                     |                 |
| <b>Power Consumption</b>                |  |                     |                 |
| Printing                                | Approx. 28.2W  |                     |                 |
| Standby                                 | Approx. 2.6W   |                     |                 |
| <b>Rated Voltage</b>                    | AC 100 – 240 V   |                     |                 |
| <b>Rated Frequency</b>                  | 50 – 60 Hz   |                     |                 |
| <b>EMC Standards</b>                    | Europe: CE Marking<br>North America: FCC Class A, CAN ICES-3 (A)/NMB-3 (A)<br>Oceania: Radiocommunications (Electromagnetic Compatibility) Standard, Class A<br>Safety Smark (Singapore)   |                     |                 |
| <b>Safety Standards</b>                 | 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:

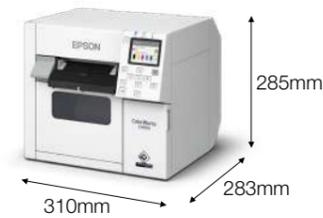
When this product is used for applications requiring high reliability / safety such as transportation devices related to aviation, rail, marine, automotive etc.; disaster prevention devices; various safety device etc; or functional / precision device etc, you should use this product only after giving 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.

## Dimensions & Weight

### C4050

Weight: Approx. 13kg



## 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 |             |

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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](http://epson.com.sg/colorworks)



### 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.

Find out more at [www.epson.com.sg/colorworks](http://www.epson.com.sg/colorworks)



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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.

### 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

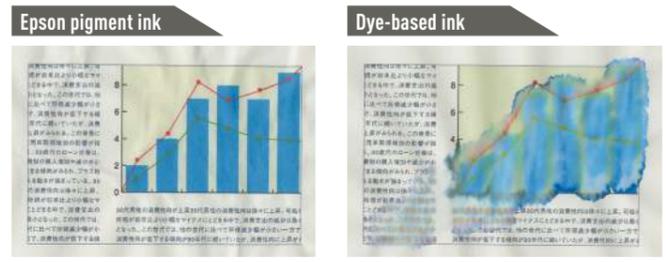
Compact and durable, the C4050 label printer is user-friendly and easy to operate. Equipped with Wi-Fi option, operators can connect directly to their mobile devices, sending labels to print seamlessly. Using the 2.7" Colour LCD screen, users can easily check on the print status and ink levels, reducing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



|                  |                                       |
|------------------|---------------------------------------|
| 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*) |

### 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 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.



### 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.



\*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.

### 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.



### Colour Matching

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



### 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.

