



SWIFT PRECISION IN INDUSTRIAL LABELS.

Streamline Your Industrial Labeling for Maximum Efficiency and Quality.

Transform your industrial labeling process with unmatched efficiency and quality. Maximise efficiency in industrial label printing with Epson ColorWorks CW-C8050. Engineered for high-volume applications, it offers exceptional quality using PrecisionCore® Heat-Free technology and UltraChrome DL Pigment inks, producing sharp images and text at fast speeds. With high-yield ink capacity and remote management via Epson Cloud Solution PORT®, you will boost productivity while minimising maintenance and energy costs.



Batch
Printing



High Speed
Printing



High Capacity
Inks

ENGINEERED FOR good

EPSON ULTRACHROME
DL INK

GO GENUINE
Original Supplies, Quality Prints

PRECISIONCORE
PRINTHEAD

High-Quality Colour Label Printing

Create customised labels on demand, achieving exceptional speeds of up to 300mm per second with reliable performance.

Enhanced Performance Features

Improved performance with an ink pack capacity of up to 480ml and versatile media handling, including thick card printing.

Streamlined Connectivity

Enhanced connectivity with multi-platform drivers and optional Wi-Fi for reliable printing from iOS and Android devices.

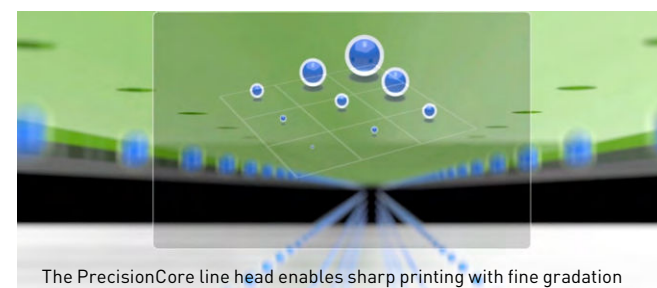
Robust Solutions for High-Volume Labeling

The ColorWorks CW-C8050 is a versatile inkjet label printer designed for high-volume enterprises, facilitating efficient in-house label production on-demand. It supports various media types and widths from 1 to 4 inches, delivering exceptional print quality and speed. Its user-friendly design ensures easy maintenance, while the unique paper path design, along with adjustable platen gaps and advanced sensors, enables seamless printing on diverse materials.



Superior Print Quality

The CW-C8050 printer offers an impressive resolution of 600x1200dpi, making it perfect for barcode scanning and fine text. High print consistency is achieved through the Epson PrecisionCore printhead and UltraChrome DL Pigment inks. With nozzle verification technology, you can maintain optimal print quality even if nozzles become clogged. Additionally, spot colour management and ICC profiling ensure precise colour matching for outstanding results.



Versatile Media Options

The CW-C8050 provides an adaptable selection of media and inks tailored to meet diverse customer needs, utilising high-durability inks for consistently exceptional results. It accommodates both matte and high gloss media, as well as films and synthetic materials. Thanks to its adjustable platen gap, you can effortlessly print on thicker media up to 0.6mm.



High-Capacity Ink Pack System

The printer features 480ml ink pouches, the largest volume in its class. This capacity enables extended print runs without interruption, minimising downtime and maximising productivity.



Flexible Integration Options

This printer prioritises convenience with USB 3.0, high-speed Ethernet, optional Wi-Fi, and an I/O port for easy setup. It integrates smoothly with legacy systems using the ESC/Label command, ensuring compatibility. It also supports popular middleware and includes Device Type and ABAP drivers for straightforward SAP Direct Printing. Enjoy cloud printing flexibility without a PC, and benefit from simple maintenance with one-side access. The new CoverPlus option offers extra peace of mind for Industrial and High-Productivity Value customers.



Improved Remote Management and Serviceability

Epson Software Solutions

Epson Device Admin

Effortlessly manage a fleet of printers remotely, allowing for installation, configuration, monitoring, maintenance, and troubleshooting to enhance productivity and reduce costs.



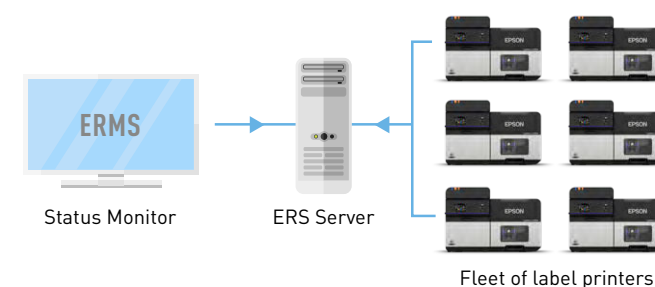
Epson Cloud Solution PORT

Achieve next-level productivity with Epson Cloud Solution PORT, a revolutionary platform for easy remote monitoring of your printer fleet. Designed for simplicity and security, it offers a live view of production, equipment utilisation, and service information, enabling you to enhance efficiency and optimise your Epson printing workflow.



Epson Remote Monitoring System

Monitor and manage your devices from location through the internet with a cloud-based system. Run billing programmes and provide accurate support by checking the current status of the devices installed in your customer's premises.



Third-Party Labeling Software

Software Cloud

Provides true cloud-enabled label printing for flexibility and efficiency.



BarTender by Seagull Scientific

Offers comprehensive label design, printing, barcode printing, RFID encoding, and card printing.



Label software by TEKLYNX

Simplifies the creation of dynamic on-demand colour labels



Drivers and SDKs

SAP ABAP Drivers

Ensure interoperability and customisation while maintaining security and compatibility with SAP systems.

Android, iOS, and Windows SDK

Facilitate easy application development for users.

Cross-Platform Drivers

Available for Windows, Linux, and MacOS to offer versatile printing options.

Epson Support Portal

Helps users find the right drivers for various operating systems.



Others

Epson ESC Label

This command language offers programmable control, flexible text formatting, barcode printing, graphical elements inclusion, and seamless integration for precise label printing across multiple industries.

Web Config

Configure printers through any web browser, ensuring platform-independent access.

SPECIFICATIONS

MODEL NUMBER	CW-C8050
Print	
Printhead	PrecisionCore Printhead, permanent
Printing Technology	PrecisionCore Line Inkjet Technology
Maximum Print Resolution	600 x 1,200 dpi
Maximum Print Speed ^{*1}	Up to 300 mm per second (11.8"/sec)
Colour Adjustment	Epson Preferred Colour, Epson Standard, Epson Vivid Colour
Media Dispense Type	Auto Cutter (scissor type), up to 1.5 million cuts
Paper-Feeding Mechanism Life	500 km
Ink	
Ink Type	UltraChrome DL SJIC52P Pigment Ink
Ink Colours	Black (Gloss or Matte Black Options), Cyan, Magenta, Yellow
Ink Pack Configuration	Four (4) individual ink packs
Ink Pack Capacity	480 ml each pack ^{*2}
Media	
Supported Media Types	Die-Cut Label, Full-Page Label, Continuous Label, Tag
Supported Media Constructions	Plain Paper, Textured Paper, Matte Paper, Synthetic, Glossy Paper, Glossy Film, High Glossy Paper
Die-Cut Label Gap	3 mm – 6 mm (0.12" – 0.24")
Gap Sensor Position	Adjustable; 3 mm – 56 mm (0.12" – 2.20") from left side; pitch: 1 mm (0.04")
Black Mark Sensor Position	Fixed position; approximately 12.4 mm (0.49") from left
Black Mark Width	19 mm (0.75") or more from paper edge
Black Mark Length	4 mm – 25.4 mm (0.16" to 1.0") with 4 mm (0.16") or more of white space around the black mark
Maximum Print Width	108 mm (4.25")
Media Width (Min. – Max.)	
Internal Roll Media	25.4 mm – 112 mm (1.0" – 4.40")
External Roll Media, Fanfold	50 mm – 112 mm (1.97" – 4.40")
Media Length (Min. – Max.)	8 mm – 1,016 mm (0.31" – 40")
Media Thickness (Min. – Max.)	0.084 mm – 0.600 mm (3.30 mils – 23.62 mils)
Internal Roll Media	Media Core Inner Diameter: 76.2 mm (3.0") Media Maximum Outer Diameter: 203.2 mm (8.0")
Connectivity	
USB	USB 3.0 (one port), USB 2.0 (one port)
Ethernet	100Base-T/100Base-TX/10Base-T
Wi-Fi	Optional Wi-Fi dongle available (OT-WL06)
General-Purpose I/O Port	D-Sub 25
Print Utilities and Remote Management Tools	EpsonNet SetupManager, EpsonNet Config SE, Epson Device Admin, Epson Deployment Tool, PrinterSetting, Colour Tone Matching Assistant, USB Printer Class Device Replacement, Epson Firmware Updater, Epson Cloud Solution PORT ³ Production Monitor, WebConfig
Direct Command-Based Printing	Zebra [®] ZPL II [®] native language support, plus command extensions, to allow for colourisation of data; ESC/Label color command language; SAP [®] Direct Printing
Display	2.7" Colour LCD
Supported Operating System	Windows [®] 11, Windows 10 (32-bit/64-bit, Windows 8.1 (32-bit/64-bit), Windows Server [®] 2022, Windows Server 2019, Windows Server 2016, Windows Server 201, Windows Server 2012 R2, OS X [®] 10.9.5 or later, MacOS [®] 10.12 or later, CentOS [®] 7 (x86_64), Ubuntu 20.04 (x86_64)
Environmental Conditions	
Temperature	Operating: 5°C to 35°C / Storage: -15°C to 40°C, Up to 120 H; Matte Black Ink: -10°C to 40°C
Humidity	Operating: 20% – 80% RH (No Condensation)
Printer Dimensions (W x D x H)	620 x 392 x 420 mm / 24.4 x 15.4 x 16.5 inch
Printer Weight	Approx. 35 kg
Packaging Dimensions (W x D x H)	818 x 576 x 616 mm / 32.2 x 22.7 x 24.3 inch
Packaging Weight	Approx. 43 kg
Electrical Specifications	
Rated Voltage	100 V – 240 V
Rated Frequency	50 Hz – 60 Hz
Power Consumption	Operating: Approx. 83.0 kW; Standby: Approx. 3.3 W; Power Off: Approx. 0.4 W
Acoustic Noise	Approx. 57 db
EMI	FCC Class A, ICES-003 Class A
Eco Features	RoHS compliant, Actively uses recycled plastic parts Reduces waste materials by using Replaceable Ink Pack System (RIPS)

This product uses only genuine Epson-brand ink packs. Other brands of ink packs and ink supplies are not compatible and, even if described as compatible, may not function properly or at all.

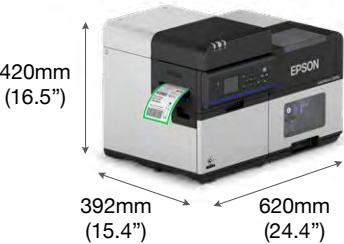
^{*1}: Printing in full 600x1,200 resolution.

^{*2}: Part of the ink from the first ink packs are used for initialising the printer. Ink usage will vary based on images printed, print settings, paper type, frequency of use, temperature and humidity. Variance may be more pronounced when printing infrequently or predominantly with one ink colour. Ink is used for printing and printer maintenance, and all colours must be available for printing. For print quality, a variable amount of ink remains after the "replace ink" indicator comes on.

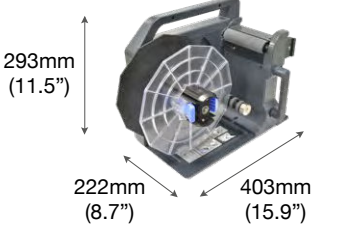
^{*3}: All features of this system require an active Internet connection and the use of a supported browser.

Dimensions & Weight

CW-C8050
Weight: 35 kg (79.4 lb)



Take-up Unit
Weight: 4.25 kg (9.4 lb)



MAIN UNIT	
CW-C8050 (BK)	C31CL02106E1
Colour Inkjet Printer	
CW-C8050 (MK)	C31CL02106E2
Colour Inkjet Printer	

WHAT'S INCLUDED

ColorWorks CW-C8050 Printer
(Gloss or Matte)
Four Ink Packs (CMYK)
Maintenance Box
AC Power Adapter and Cord
Sample Label Roll
Startup Guide

OPTIONS	
Take-up Unit	C32C882501

CONSUMABLES (INK PACKS)	
Glossy Black	C13T55S100
Cyan Ink Pack	C13T55S200
Magenta Ink Pack	C13T55S300
Yellow Ink Pack	C13T55S400
Matte Black	C13T55S500

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Dealer's Stamp

Information correct at time of printing.
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