

ColorWorks® CW-C8050

High-Speed 101.6 mm (4") Color Inkjet Label Printer



Fast, high-quality on-demand color label printing for high-volume runs.



PRECISIONCORE
HEAT•FREE

Exceptional print quality — PrecisionCore® Heat-Free technology and UltraChrome® DL Inks deliver accurate colors, smooth gradations, precise barcodes and sharp text

High-speed, on-demand color labels — designed for mid- to high-volume batch runs, print multiple labels with variable data at speeds up to 299.72 mm (11.8") per second¹

Reliable performance with PrecisionCore® — built for demanding applications, permanent printhead means fewer interventions and low maintenance costs

High-yield 1.9 L total ink capacity² — ideal for high-volume batch runs, allowing for fewer interventions, low cost per milliliter and low consumable waste

ColorWorks®' most advanced connectivity and remote management tools — integrate large fleets with Epson Cloud Solution PORT^{®3}, cloud printing and optional WiFi[®]

Powerful fleet productivity with Epson Cloud Solution PORT3 — remotely view printer status, ink consumption and operation history
Seamless workflow integration — compatible with ZPL II[®], major middleware, SAP[®], Windows[®], Mac[®] and Linux[®]; built-in ESC/Label[®] language

Durable, high-quality labels — UltraChrome[®] DL Ink technology produces stunning labels that resist smudging, smearing and fading

High efficiency and low power consumption — PrecisionCore[®] Heat-Free technology enables efficient ink usage and low energy usage

World-class service and support — includes a 1-year limited warranty; extended service plans available for up to a total of 5 years of continuous coverage

Designed for use exclusively with Epson ink packs.*

Printing specifications

Printing Method:	Line ink jet, dot matrix
Colour:	4-colour printing
Printing direction:	Line print
Paper feed:	Forward and reverse friction feed
Paper width:	
a) Inside roll paper	
Die-cut label roll / Continuous label roll	
Label width (Back paper width)	21.4mm (25.4 mm)~108mm (112 mm)
Continuous paper roll	
Paper width	25.4 mm~112 mm
Tag	
Paper width	25.4 mm~112 mm
b) External paper	
Die-cut label roll / Continuous label roll	
Label width (Back paper width)	46 mm (50 mm) to 108 mm (112 mm)
Continuous Paper	
Paper width	50 mm~112 mm
Fanfold Label	
Label width (Back paper width)	46 mm (50 mm) to 108 mm(112 mm)
Fanfold Continuous Paper	
Paper width	50 mm~112 mm
Tag	
Tag width	50 mm~112 mm
Printing width:	Maximum 108 mm
Label length (Minimum):	Full page label without BM: 11 mm Continuous paper without BM: 11 mm Others: 8 mm *Cannot be cut if label length is less than 15 mm.
Media Form:	Die cut label Full page Label Continuous paper Tag
Media:	When select matte ink Die cut label (Gap, with BM), Full page label (W/o BM, With BM) Plain paper Texture paper Matte paper Synthetic Continuous paper (W/o BM, With BM) Plain paper Matte paper Tag Plain paper Matte paper When select gloss ink Die cut label (Gap, BM), Full page label (W/o BM, With BM) Matte paper Synthetic Glossy paper Glossy film High Glossy paper Continuous paper (w/o BM, With BM) Matte paper Glossy paper Tag Matte paper Glossy paper
Paper thickness:	Die cut label (Gap, with BM), Full page label (W/o BM, With BM) Plain paper: 0.159 mm Texture paper: 0.24 mm Matte paper: 0.178 mm Synthetic: 0.229 mm Glossy paper: 0.174 mm Glossy film: 0.164 mm High Glossy paper: 0.188 mm Continues paper (W/o BM, With BM) Plain paper: 0.084 mm Matte paper: 0.131 mm Glossy paper: 0.119 mm Tag Plain paper: (Max)0.6 mm Matte paper: (Max)0.6 mm Glossy paper: (Max)0.6 mm

Resolution:	600 dpi x 1200 dpi
Print speed:	Max. 300 mm/s

Media style

Roll paper form	Outside diameter : Less than 203.2 mm (less than 8")
Set for inside	Core outside diameter : 76.2+/-0.5mm
Roll paper style	a) Die-cut label (Gap) b) Die-cut label roll (with black mark) c) Full page Label (without black mark) d) Full page Label (with black mark) e) Continues paper (without black mark) f) Continues paper (with black mark) g) Tag (with hole, track hole or U-shaped cutout)
Fanfold paper Structure	Folding distance: 152.4 mm to 304.8 mm Number of folds : 750 or less Form of perforated line: 1mm uncut, 3 to 5 mm cut Edge condition: uncut
Detect of Label Black mark position & size on Media	Die-cut label (with black mark) Width: 19 mm or more from paper edge Length: 4 mm to 25 mm White portion to next label: 4 mm or more Die-cut label: Gap detect Gap distances: 3 to 6 mm Die-cut label (with black mark): Black mark detect Gap distances: 3 to 6 mm
Label Gap distances on Media	

Paper sensor position

Black mark sensor position	Fixed position Approximate 12.4 mm from left
Gap sensor (Hole sensor) position	Adjustable 3 to 56 mm from left side. / 1 mm pitch

Auto cutter

Style	Scissor type
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Ink cartridge type

Ink supply method	5 types (Gloss black or Matte black),(Yellow, Magenta, Cyan)
Black ink (description)	For each model SJIC52P-BK Gloss Black-C13T55S100 SJIC52P-MK Matte Black-C13T55S500
YMC Ink (description)	SJICP-52C,-C13T55S200 / SJIC52P-M-C13T55S300, SJIC52P-Y-C13T55S400
Ink type	Pigment ink

Maintenance Box

Model number	SJMB7500
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General

Size	WxDxH 620 mm x 392 mm x 420 mm
Case Color	Two-tone colour Black & Silver
Weight	Approx. 35 kg

Life	
Auto cutter	Plain roll paper: 1,500,000 cuts Matte roll paper: 700,000 cuts Glossy paper roll paper: 700,000 cuts Die-cut label backing (Plain paper label): 1,500,000 cuts Die-cut label backing (Texture paper label): 500,000 cuts Die-cut label backing (Matte paper label): 1,500,000 cuts Die-cut label backing (Synthetic label): 500,000 cuts Die-cut label backing (Glossy paper label): 1,500,000 cuts Die-cut label backing (Glossy film label): 500,000 cuts Die-cut label backing (High Glossy paper): 1,500,000 cuts Full-page label (Plain paper label): 750,000 cuts Full-page label (Texture paper label): 100,000 cuts Full-page label (Matte paper label): 500,000 cuts Full-page label (Synthetic label): 100,000 cuts Full-page label (Glossy paper label): 300,000 cuts Full-page label (Glossy film label): 100,000 cuts Full-page label (High Glossy paper label): 200,000 cuts Tag (Plain paper): For paper thickness of 0.2 mm or less: 100,000 cuts Tag (Matte Paper): For paper thickness of 0.2 mm or less: 100,000 cuts Tag (Glossy paper): For paper thickness of 0.2 mm or less: 100,000 cuts

SAP environment	
Direct print	Device Type/ABAP driver
HVP	SAP HVP Plug-in

Electrical specifications	
Supply power	AC direct
Power source	
Input voltage (rated)	100 V to 240 V
Frequency (rated)	50 to 60 Hz

Interface	
USB interface TypeB	USB 3.0: 1 port
USB interface TypeA	USB 2.0: 1 port
Ethernet interface	100BASE-TX Auto 10BASE-T Half Duplex 10 BASE-T Full Duplex 100BASE-TX Half Duplex 100BASE-TX Full Duplex 100BASE-T
Extended interface	D-sub25
WiFi	When it use OT-WL06 (Option)

Drivers	
Windows printer driver	Windows 11 Windows 10(32bit,64bit) Windows 8.1(32bit,64bit) Windows Server 2019 Windows Server 2016 Windows Server 2012 R2 (64 bit) Windows Server 2012 (64 bit) Windows Server 2016 Windows Server 2019 Windows Server 2022
Mac driver	OS X 10.9.5 OS X 10.10.x OS X 10.11.x macOS 10.12.x macOS 10.13.x macOS 10.14.x macOS 10.15.x macOS 11.x macOS 12.x macOS 13.x macOS 14.x
Linux driver	CentOS 7 (x86_64) Ubuntu 20.04 (x86_64) *OS information confirmed by SEC during development. (SEC does not guarantee operation.)

* 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 1200 x 600 resolution. | 2 Part of the ink from the first cartridges/packs is used for initializing the printer. Ink usage will vary considerably 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 color. Ink is used for printing and printer maintenance, and all colors 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. | 4 For convenient and reasonable recycling options, visit www.epson.com/recycle | 5 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness