ColorWorks® CW-C6000 Series Color Inkjet Label Printers

Introducing the Future of Mission-critical Label Printing.

- **Reliability you can count on** — engineered by Epson for demanding applications; backed by industry-leading service and support

- **First printer specifically designed as a color upgrade to black-and-white thermal transfer printers**¹ — with similar media handling capabilities, speed, features and connectivity options, all at a comparable price point²

- **Enhanced productivity** — eliminate the need to pre-print; speeds up to 5" per second³; fast time to first label

- **Astounding image quality** — up to 1200 dpi resolution with various droplet sizes; crisp images comparable to pre-printed labels

- **Seamless integration** — compatible with ZPL II, major middleware, SAP, Windows®, Mac® and Linux

- **Remote printer management** — for managing large fleets over the network

- **Applicator I/O control port for truly automated workflow** — supports I/O commands; can be integrated into nearly any workflow

- **Low cost** — comparable to existing thermal transfer printers²

- **Durable, high-quality labels** — meets BS 5609 certification⁴

- **CW-C6000P and C6500P** — the first color inkjet label printer with a peel-and-present option⁵

- **CW-C6000A and C6500A** — auto cutter included
The new Epson® ColorWorks series label printers, engineered for demanding applications, are revolutionizing both monochrome and color label printing with rugged reliability you can count on, delivering dependable, commercial inkjet printing with fast-drying, durable color inks and enhanced productivity.

**Peel-and-present**
Epson offers the first color inkjet printer with peel-and-present capability, which can help speed up the manual application of on-demand labels. An integrated label-taking sensor holds off subsequent printing until the previous label is removed. This feature is ideally suited for fully automated label application systems. This unique capability eliminates the need for a loose loop and allows individual labels to be taken as soon as they are printed.

**Auto Cutter**
With a 4” or 8” built-in auto cutter covering the full spectrum of label sizes to create variable-length labels and enable easy job separation, these new ColorWorks models offer cost and inventory reductions compared to using pre-printed labels.
High-quality Printing
Epson-engineered PrecisionCore® TFP® printhead technology delivers ultra sharp text and precise barcodes. It also produces varying droplet sizes that, coupled with a 1200 x 1200 dpi resolution, can produce a huge gamut of vibrant, accurate colors, smooth gradations and fine image details. So, whether the challenge is to produce complex informational labels or high-quality product labels, the CW-C6000 series is up to the challenge.

ESC/Label and ZPL II Interface Languages
ZPL II capabilities allow you to experience the advantages of Epson inkjet technology without reprogramming existing systems. ESC/Label command extensions can be added to unlock the power of color. Leverage color for color-coded fields, product pictures, logos and marketing messages to improve overall business processes and brand image.

Remote Management Tools
Epson made the CW-C6000 family for large-scale enterprise environments. To support these high-volume scenarios, a wide range of remote management tools are available. These allow IT and support teams to remotely monitor the status of large fleets of printers, generate email alerts on items needing attention, remotely deploy firmware updates, set up complex network environments, and view or modify settings from any computer browser or Android™ or Apple® powered smartphone.

General-purpose I/O Port
Designed for mission-critical production, all CW-C6000 family printers come equipped with a general-purpose I/O port. This gives automation developers all the control they need to seamlessly integrate the printer into their automated workflow. The port provides all the necessary information on supply levels, status, faults and readiness. Inputs enable users to pause, clean and print.
## Printer

**Print Method:** Serial inkjet PrecisionCore TFP  
**Image Source:** Nozzle Verification Technology, auto head maintenance and auto missing dot compensation  
**Ink Type:** UltraChrome® DL pigment ink  
**Ink Colors:** CMYK in individual cartridges  
**Control Panel:** 2.7” full-color graphic display and 13-key pad allow for local configuration and operation  
**Indicators:** Power, status and pause LEDs, beeper  
**Color Correction:** ICC color profiles, RGB spot color substitution, driver-based color adjustment  
**Banner Printing:** Supports pages sent in segments to produce large signs without gaps  
**Barcode Font:** Upc-A, Upc-E, JAn13(Ean), JAn8(Ean), Code39, Codabar, Code128, GS1-128, GS1-128, Datamatrix Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded  
**Two-dimensional Code Printing:** PDF417, QR Code, Maxi Code, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, DataMatrix, Aztec Code, MicroPDF417, Micro QR Code  
**Cutter Life (cuts):** Paper Liner up to 1.5 M  
**Cutter Life (cuts):** Synthetic Liner up to 0.5 M  
**Continuous Matte Paper up to 0.5 M**  
**Continuous Gloss Paper up to 0.3 M**  
**Continuous Synthetic up to 0.1 M**  
**Printer Durability:** Permanent printhead  
**Feeding mechanism:** 7.8 M inches (200 km) before major service

## Media

**Media Sources:** Internal roll-fed, rear-feed fan fold, external rear-powered unwind  
**Media Construction:** Standard die-cut label with or without black mark, die-cut label with matrix on and black mark, continuous tag stock with or without black mark, continuous label with or without black mark  
**Media Types:** Inkjet Coated Matte Paper, Gloss Paper, High-gloss Synthetic, Fine Paper, PET Film, Matte Synthetic, Uncollated Plain Paper  
**Thickness:** 0.05” – 0.09” (0.129 mm – 0.236 mm)  
**Label Length:** Max. 24” (610 mm)  
**Min. 0.3” (8 mm) no finishing**  
**Label Width:** 0.59” (15 mm) cutting  
**Roll Media Core Diameter:** 3” (76 mm)  
**Die-cut Label Gap:** 2 mm – 6 mm  
**Gap Sensor Location:** Adjustable 0.4” – 2.4” (10 mm – 60 mm) in 0.2” (5 mm) steps from left paper guide  
**Black Mark Sensor Location:** Fixed at 0.5” (12 mm) from left paper guide  
**Black Mark Size:** Min. 0.72” x 0.16” (18 mm x 4 mm) (W x H)  

## General

**Interfaces:** Ethernet 1000BASE-T/100BASE-TX/10BASE-T, USB 2.0, SP2, Windows Server® 2019, 2016, 2012 R2, 2012, 2008 R2, 2008, macOS® 10.6.8 or later, Linux  
**Rated Voltage:** AC 100 – 240 V AC  
**Rated Frequency:** 50 – 60 Hz  
**Acoustic Noise:** Approx. 55 dBA  
**Noise Levels:** Commercial: 55 dBA  
**Safety Standards:** UL1950/CSA C22.2 No.950, TUV, GOST-R  
**Warranty:** 1-year depot repair

## What’s in the Box

- CW-C6000 Series Color Inkjet Label Printers  
- CW-C6000/6500 Printer, AC power cord, full-capacity ink cartridges, maintenance box, instruction sheet, CD with utilities and manuals  

## Ordering Information

- CW-C6000A Printer – 4” Auto Cutter  
- C31CH7601  
- CW-C6000P Printer – 4” Peel-and-present  
- C31CH7602  
- CW-C6500A Printer – 8” Auto Cutter  
- C31CH7101  
- CW-C6500P Printer – 8” Peel-and-present  
- C31CH7121  
- SJIC35P-K Ink Cartridge (Black)  
- C13T44AB20  
- SJIC35P-C Ink Cartridge (Cyan)  
- C13T44AB20  
- SJIC35P-M Ink Cartridge (Magenta)  
- C13T44AB20  
- SJIC35P-Y Ink Cartridge (Yellow)  
- C13T44AB20  
- SJMB 60/65 Maintenance Box  
- C335021501  
- SPX4A Spares Kit  
- C32C081130  
- SPX4A Spares Kit 8”  
- C32C081180

## Specifications

### Print Mode and Speed Table

<table>
<thead>
<tr>
<th>Printer Model</th>
<th>CW-C6000A</th>
<th>CW-C6000P</th>
<th>CW-C6500A</th>
<th>CW-C6500P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Feed</strong></td>
<td>Auto Cutter</td>
<td>Peel-and-present</td>
<td>Auto Cutter</td>
<td>Peel-and-present</td>
</tr>
<tr>
<td><strong>Print Media</strong></td>
<td>1.0” (25 mm) - 4.4” (112 mm)</td>
<td>1.0” (25 mm) - 4.4” (112 mm)</td>
<td>1.0” (25 mm) - 6.5” (216 mm)</td>
<td>1.0” (25 mm) - 6.5” (216 mm)</td>
</tr>
<tr>
<td><strong>Print Width</strong></td>
<td>4.25” (108 mm)</td>
<td>4.25” (108 mm)</td>
<td>8.34” (212 mm)</td>
<td>8.34” (212 mm)</td>
</tr>
<tr>
<td><strong>Roll Size O.D.</strong></td>
<td>8.0” (203 mm)</td>
<td>8.0” (203 mm)</td>
<td>6.0” (153 mm)</td>
<td>6.0” (153 mm)</td>
</tr>
<tr>
<td><strong>Weight - Printer (Dry)</strong></td>
<td>50.7 lb (23.0 kg)</td>
<td>50.7 lb (23.0 kg)</td>
<td>57.3 lb (26.0 kg)</td>
<td>57.3 lb (26.0 kg)</td>
</tr>
<tr>
<td><strong>Weight - Shipping</strong></td>
<td>75.0 lb (34.0 kg)</td>
<td>75.0 lb (34.0 kg)</td>
<td>81.6 lb (37.0 kg)</td>
<td>81.6 lb (37.0 kg)</td>
</tr>
<tr>
<td><strong>Dimensions - Printer (W x D x H)</strong></td>
<td>13.4” x 22.9” x 12.8” (348 mm x 563 mm x 328 mm)</td>
<td>13.4” x 22.9” x 12.8” (348 mm x 563 mm x 328 mm)</td>
<td>17.5” x 20.3” x 12.8” (444 mm x 515 mm x 328 mm)</td>
<td>17.5” x 20.9” x 12.8” (444 mm x 530 mm x 328 mm)</td>
</tr>
<tr>
<td><strong>Dimensions - Shipping (W x D x H)</strong></td>
<td>19.5” x 27” x 18.5” (495 mm x 685 mm x 470 mm)</td>
<td>19.5” x 27” x 18.5” (495 mm x 685 mm x 470 mm)</td>
<td>24” x 28” x 19” (610 mm x 710 mm x 480 mm)</td>
<td>24” x 28” x 19” (610 mm x 710 mm x 480 mm)</td>
</tr>
</tbody>
</table>

### Power Consumption

<table>
<thead>
<tr>
<th>Mode</th>
<th>Standby</th>
<th>Printing (average)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 100 – 240 V AC</td>
<td>4.1 – 4.4 W</td>
<td>50 – 60 W</td>
</tr>
</tbody>
</table>

## Additional Information

- **Better Products for a Better Future®**  
- **Eco**. epson.com  
- **Epson Canada Limited**  
- **Epson Monitoring Tool**  
- **Printer Setting Utility**  
- **Epson Device Admin**  
- **WebConfig**  
- **Epson Monitoring Tool**  
- **Printer Setting Utility**  
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