

ColorWorks colour label printer range

Eye-catching colour labels printed on demand



EPSON®

Streamline your colour label production

Print eye-catching custom colour labels when you need them with our on-demand printers. Two stage printing and wasteful pre-ordering are a thing of the past with Epson ColorWorks. Now you can print full colour labels first time, using your own designs and in quantities you will actually use.

A new way to produce colour labels

Epson's ColorWorks label printers have the power to completely revolutionise the way you print colour labels on-demand so you can take full control of the production process.

Printing

Entire label content can be printed on demand.

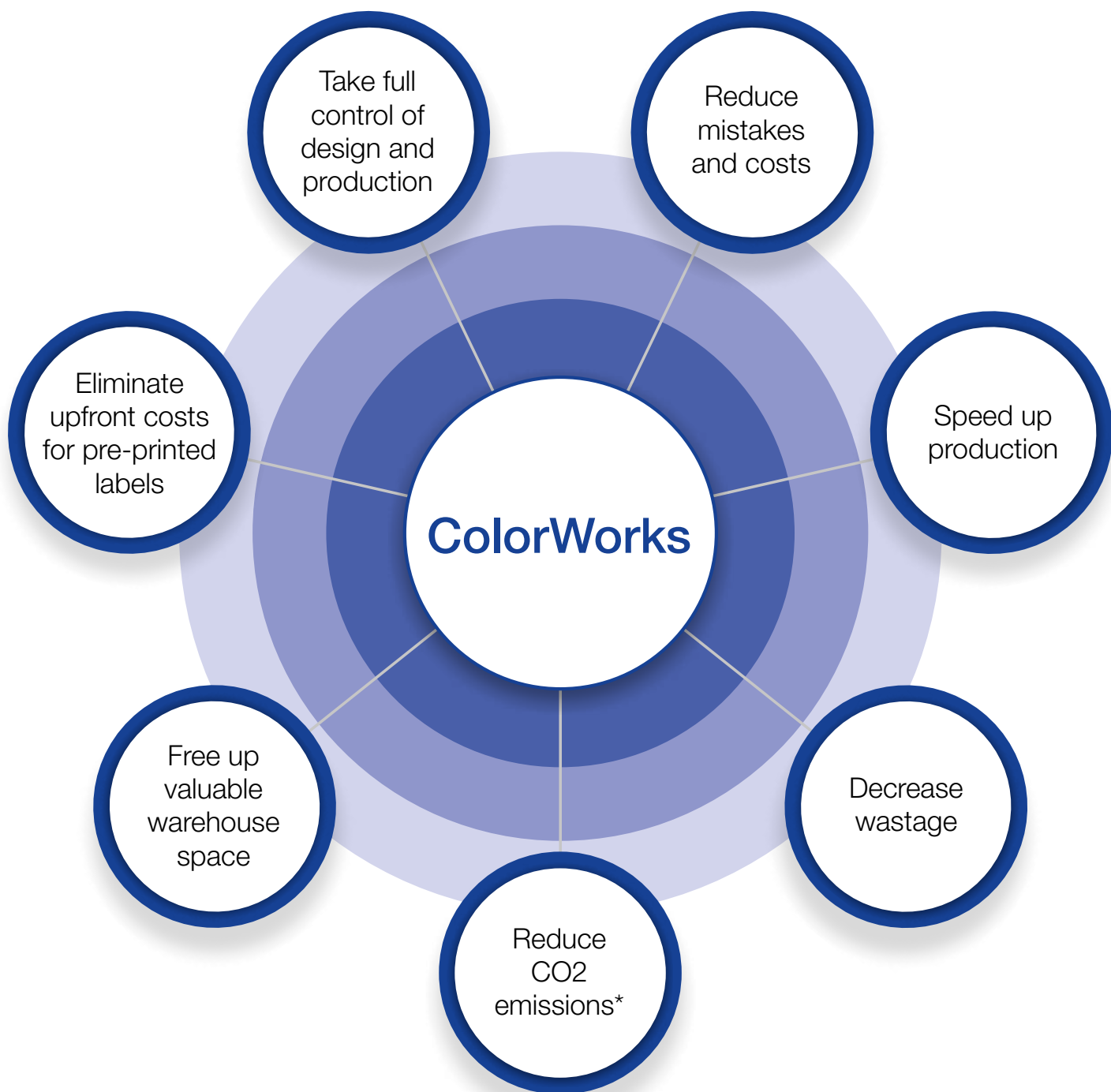
Flexibility

Print different colours and label information at the same time.

Media

Only blank rolls of label media are required.





*Calculated using the ColorWorks CO2 calculator
https://www.epson.eu/en_EU/colorworks-co2-calculator

The value of colour on-demand



Take control

Save money by not storing different pre-printed colour labels, just print when you need them. You can now control the whole label-printing process.

No pre-printed label ordering, full control is back in your hands

Print your own labels



Improve efficiency

Stop wasting time searching for and changing to the correct pre-printed labels. Save time wasted by changing pre-printed rolls.

No time spent hunting for and retrieving the correct pre-printed labels

No production disruptions to change pre-printed rolls



Increase speed

Print in full colour at the speed your business needs. Reduce your total full colour label production time.

Print in full colour without sacrificing the printing speed

Huge improvement in the total label production time



Eliminate unexpected charges

Cut out third-party charges for custom pre-prints. Reduce label creation errors, as well as late deliveries and penalties.



Print and apply

New movable sensor allows printing on any shape, without the need for a 2nd die cut. The first 'one by one' inkjet label printer.¹ Can be integrated seamlessly into existing 'print and apply' production line systems.'



Dual ink set compatibility for superior label printing

Discover the versatility of Epson's colour label printers, designed to accept both BK (Black) and MK (Matte Black) ink sets. Whether you need vibrant colours or professional-grade black printing, Epson printers deliver exceptional quality and flexibility for all your labelling needs.

¹ Only applies to CW-C6000PE, CW-65000PE, CW-D6000PE and CW-D6500PE.



Add flexibility

Produce unique individual labels as you require them. Change designs on the fly, and print only the labels you need.

Immediate label customisation

Change designs on the fly, print as many labels as you need



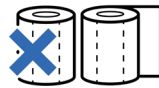
Ink durability

Epson labels and printers are designed to label chemical containers clearly and comply with industry standards¹. Durable labels that are smudgeproof and waterproof¹.



Eliminate label waste

No wasted labels due to last-minute design changes. No need to order pre-printed labels you don't need to ensure enough buffer stock.



Drastically reduce label inventory

No more shelves full of pre-printed rolls of labels. Order and stock only one type of label - blanks.



More sustainable technologies

Epson is committed to developing technologies that help customers achieve their sustainability goals and reduce carbon impact.

Independent research¹ suggests that if European businesses switched to on-demand inkjet labelling, energy savings of 28.7 million kWh could be achieved each year – equal to a reduction of 6.7 million tonnes CO₂.² They could eliminate 180 million square metres of label waste, and cut ink waste by an estimate 619 tonnes.

Visit the ColorWorks CO₂ calculator to discover how much CO₂ you can save by switching to on-demand printing with ColorWorks:
https://www.epson.eu/en_EU/colorworks-co2-calculator



¹ Sustainability in Labelling, May 2021; Smithers Report

² Calculated using standard conversion of 0.233kg of CO₂e per kWh of electricity.

More than just hardware

Epson software

Epson Device Admin

Easily manage an entire fleet of printers remotely, with full control including the ability to install, configure, monitor, maintain and troubleshoot your devices for increased productivity and cost savings.

ColorWorks print



Epson uPass



Native drivers

Codesoft by TEKLYNX

BarTender by Seagull Scientific

Cloud connectivity

True cloud-enabled label printing with Software Cloud.

BarTender by Seagull Scientific

Drivers

SAP ABAP drivers support

Enable interoperability, customisation, performance, security, and compatibility with SAP systems.

Android, iOS and Windows SDK

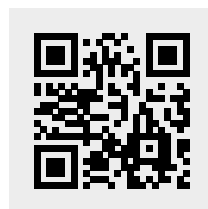
Enable users to create their own applications easily.

Windows, Linux and MacOS drivers

Offer printing flexibility for each OS.

Install Navi

Find Windows, MacOS and Linux drivers, as well as Android, iOS and Windows SDK.



Other

Epson ESC Label

A command language for Epson printers that offers programmable control, flexible text formatting, barcode printing, graphical elements inclusion, and seamless software integration, ensuring precise and efficient label printing across various industries.

Web Config

Configure printers using web browser regardless the platform used.

Product labelling

Manufacturers and retailers can create engaging colour labels on demand which stand out on products and packaging. Add colour coding and images to box labels for easy reference.

Personalise packaging

Explore new marketing possibilities with short-run labelling and set your products and brand apart with customisable colour label printing.

Highlight key product information

Clearly highlight information on labels and print specialty labels on demand.

Manage inventory

Control stock and product movement with easy-to-track labels. Reduce production errors with colour-coding or pictures on labels to confirm container contents.

Ink and media

Choose the right ink and media for your labelling needs.



ColorWorks print



Chemical labels (GHS)

Clear, high quality chemical labels ensure efficiency of operation, clarity of instructions and safety of workers.

Extremely durable labels

Print durable labels that are waterproof, smudge-proof, chemical- and light-resistant, and meet the BS5609 standard.

Streamline label production

Quickly and accurately print all labels in a single straightforward process and avoid ordering extra labels you don't need.

Safe and secure

Produce high quality and GHS-compliant labels for hazardous materials.



Healthcare labels

Colour on healthcare labels improves the visual recognition of vital information, such as patient names and dosage instructions. This reduces operational risks or hospitals, and more importantly provides better patient care and safety.

Produce accurate patient and dosage information

Use colour and design to improve visual recognition of vital information, such as patient names and dosage instructions.

Create clear visual instructions

Precisely and perfectly print pictograms and other visual information onto blank labels in one smooth process.

Reduce risk of errors

Producing large volumes of labels that are consistent reduces the risk of errors in patient care.

Cleanroom certified

Using the CW-C4000e in a cleanroom will not negatively impact your cleanroom certification.

According to "A Study of Airborne Particle Generation by the Epson ColorWorks C4000 Label Printer", as carried out by the CEC, November 2023.



Shelf-edge labels

Move your shelf-edge label production in store. Whether creating labels with colourful logos, promotions or important product information, you can take care of all your shelf-edge labelling requirements.

Brand values

Customise shelf-edge labels to emphasise your brand values

Product information

Highlight important product information within the label's content

Special offers

Use colour to bring attention to special offers

Seasonal promotions

Grab attention by highlighting seasonal produce, offers and recommended product combinations



Visitor badges

Improve visitor safety, enhance your brand image and add customised adverts, turning visitor passes into promotional tools for your company.

Create professional-looking tickets

Print individually designed tickets and ID badges in full colour, on-demand to enhance brand recognition.

Customise promotions to boost sales

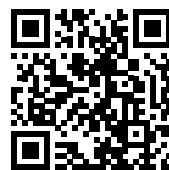
Customise tickets and ID cards with promotional or personalised information. Add advertisements and other promotional information relevant to ticketholders to boost future sales.

Improve security with visual ID

Add full colour photos to ID cards, for ease of visual identification.



Epson uPass



Food and catering

Create engaging colour labels that stand out on packaging and products on demand. Customise labels for increased brand awareness and show important information clearly even in small areas with high resolution printing.

Show key product information

Protect customers and your business by clearly highlighting important information, such as food allergens and nutritional information, with full-colour traffic-light labelling systems.

Create eye-catching special offers

Use colour to differentiate your products from those of your competitors. Create labels and offers that catch the eye.

Increase customer loyalty

Highlight brands with quality colour printing. Upsell products and increase profit margins by personalising labels.



Epson inks comply with Food Contact Materials regulations

Product

ColorWorks CW-C3500
ColorWorks CW-C4000
ColorWorks CW-C6000 Series
ColorWorks CW-C6500 Series
ColorWorks CW-C8000
CW-D6000 Series

FCM-compliant inks

SJIC22P Series
SJIC42P series
SJIC36P Series
SJIC36P Series
SJIC48P Series
SJIC55 Series

Compliance standards

Under appropriate condition of use Epson ColorWorks inks comply with:

EU Framework Regulation (EC) No. 1935/2004

EuPIA (GMP) Printing inks For Food Contact Materials
4th revision March 2016

Plastic Implementation Measure (PIM) EU No. 10/2011

EuPIA Exclusion Policy for Printing inks and related
Products (Nov 2016)

Good Manufacturing Practices (GMP) (EC) No.
2023/2006

FDA CFR21 (cGMP, HACCP, paper materials)

Swiss Ordinance on Materials and Articles in Contact
with Food SR817.023.21 Annex 10

Heavy Metal CONEG legislation 9

EU Toy Standard EN71 (Parts 3, 9, 12)

SVHC under REACH compliance

Warehouse and logistics

Improve inventory management and product identification to help large and complex supply chains connected and running smoothly.

Improve traceability with colour coding

Help ensure the right products go to the right place.

Reduce supply chain errors

Use colour to make labels easier to track and avoid mistakes.

Save costs, reduce waste

Be more cost-efficient in your label production by reducing waste and eliminating the upfront costs of pre-printed labels.

Label Boost

Transform black-and-white shipping labels into full-colour marketing tools that can help increase customer engagement, reduce costs, and improve processes.

Current challenges

Labels are pre-printed, which is expensive and takes up a huge amount of space

Manual process of selecting box labels often leads to costly mistakes

Inflexible, slow label operations hinder productivity and delivery times

Printers need to be integrated into different infrastructures and legacy systems

ZPL templates need to be colourised



Print and Apply

The C6000/C6500 and D6000/D6500 series label printers support colour printing and variable data processing and can be integrated directly into production lines, reducing steps in the manufacturing process and increasing efficiency.

Utilise the time-saving, automatic backing-paper removal function to easily apply labels to products. This exclusive function amongst inkjet label printers integrates simply and seamlessly with Print & Apply applications.



ColorWorks C3500

Simple to use, flexible and compact it allows you to print anything from a wristband, ticket or ID badge to a durable synthetic label. All this in full colour, high-quality and at a fast printing speed of up to 103mm/sec.

Easy to use and cost-efficient

Monitor ink levels and printer status with the LCD display and save when you print. A recent research report showed the ColorWorks C3500 has the lowest ink cost per print compared with two competitors¹.

Reliable

Ensure accurate barcode printing with Epson's automatic nozzle checking technology (AID) that senses and fixes clogged nozzles.

Intuitive display

Monitor ink levels and printer status on the LCD screen. Conveniently access all functions from the front of the printer, including consumables.

Maintenance-free

Forget about replacing the printhead or other working parts – they last for the lifetime of the printer.

Durable prints

Produce long-lasting prints that resist smudging, fading and most liquids with Epson DURABrite Ultra pigment ink.



ColorWorks C4000e series

The C4000e series is a compact label printer, ideal for desktop applications. With a range of easy-to-use features and flexible connectivity options, you can print high-quality labels quickly and easily.

MK model

Epson's matte black ink has larger pigment particles, which remain closer to the surface, yielding a more vibrant image on matte materials.

BK model

Epson's gloss black inks have small pigment particles that penetrate the surface of the extra fine pores of glossy media, achieving proper bonding.

High print quality

High-resolution, four-colour print output comes as standard. Colour matching functionality (ICC profile and spot colour matching tool) helps deliver impressive, impactful, on-demand colour labels.

Simple integration

The range is easy to integrate and connect into existing systems. With the addition of our Webconfig & EDA tools, the C4000e has greater flexibility in configuration and remote management. Drivers are available for Windows, Linux, Mac and ESC Label. Also, ZPLII compatible.

Easy to use

Large (2.7 inches) LCD display panel makes for simple operation. Media rolls can be easily swapped and changed. The model also features an autocutter, which can be easily replaced without the need for an engineer visit.

Wi-Fi printing

Adding the optional Wi-Fi dongle gives you the capability to print from anywhere at anytime.

SDKs for iOS and Android

Our new SDKs for iOS & Android allow easy and intuitive Tablet printing.

Peace of mind

Complete peace of mind. Epson covers everything (including the printhead) as long as the printer is covered under warranty/CoverPlus.



ColorWorks C6000/C6500 and D6000/D6500 series

Print long-lasting customised labels quickly and easily. Produce high-quality (1200x1200dpi), custom labels time after time.

The C6000 offers up to 4-inch print-widths and the C6500 delivers labels up to 8-inches. Optimise workflows using our unique built-in peeler.

The CW-D6000/D6500 series uses dye inks that cover specific requirements, including superior abrasion and rubbing resistance on specific glossy media. Labels remain vibrant and intact, even under harsh conditions. Dye inks also let you achieve stunning results with a much wider colour range.

Customised communication

Print labels 25mm-208mm wide on glossy, matte or textured substrate. Print on any shape, without needing a second die cut, using the unique movable sensor, and colour-match brand logos accurately.

Easy integration

Connect with Windows, Linux, Mac/iOS and SAP. Epson's ESC/Label programming language is compatible with most label drivers.

Remote configuration and maintenance

Manage and send updates to printer fleets easily with an intelligent web interface.

Long-lasting labels

Print durable labels with UltraChrome DL pigment inks.

Easy operation

Load labels from two different sides for ease of use. Remove paper jams easily with four points of access. Use the large (2.7 inch) LCD screen for convenient one-step variable data processing.

Maintenance-free

Forget about replacing the printhead or other working parts – they are covered under warranty for 1 year, with extra CoverPlus option also available.

Exclusive built-in peeler

Save time with automatic backing paper removal, a unique function amongst inkjet label printers. The peeler integrates with Print & Apply applications.

Choosing the right ink

When using pigment ink, some of the ink soaks through the coating of the print media, while some stays on the surface. This gives pigment ink print longevity, superior UV resistance and wide media compatibility.

Dye ink permeates through the coating. When using high gloss paper or gloss synthetic media, dye ink provides more vivid colours and richer blacks, as well as dry rubbing and abrasion resistance.



ColorWorks C6000/C6500

Pigment inks. Ideal for high-quality bespoke, flexible long-lasting colour labels on matte media.

ColorWorks D6000/D6500

Dye inks. Perfect for glossy media, and the rich black tones are ideal for labels that require a strong visual impact.

ColorWorks C8000e series

Designed and developed to meet the requirements of in-house on-demand printing at an industrial volume and scale, these colour label printers bring together a small footprint, improved integration and better connectivity for lasting impact. Produce high quality labels on demand with the C8000e series, through spot colour matching and ICC profiling, with the added benefit of large ink pouches.

MK model

Epson's matte black ink has larger pigment particles, which remain closer to the surface, yielding a more vibrant image on matte materials.

BK model

Epson's gloss black inks have small pigment particles that penetrate the surface of the extra fine pores of glossy media, achieving proper bonding.

Reliable and consistent results

The C8000e can help manufacturers produce consistent, high-quality labels in-house and on-demand. The printer features the PrecisionCore printhead to ensure reliable, high-quality results. Our unique Nozzle Verification Technology (NVT) and dot substitution help prevent misprints and dead pixels for consistent printouts.

Fast speeds

Produce a range of high-quality labels, fast including those for food and beverage products, packaging and boxes, as well as EU Energy Labels and GHS Labels. With print speeds of up to 300mm/sec, you can now print labels in full colour, at the same speed as some incumbent thermal monochrome printers.

Cost-effective

Printing labels on-demand helps eliminate costs associated with pre-printing, such as label waste and large label inventory. High capacity ink pouches offer low cost per print. The permanent printhead offers significant cost savings, and peace of mind as none of its major components will need replacing for at least 500km worth of printing¹.

Easy to use with minimal maintenance

With its LCD control panel, set-up is easy. ESC/Label allows integration with virtually any operating system. In addition, the device comes with a full range of software utilities to support printer deployment, while NVT helps to prevent clogged nozzles. Extensive connectivity options and cloud printing support enable PC-less configurations.

Flexible

The C8000e offers the flexibility to print on a variety of media types, including matt and gloss paper, film and synthetic, supporting print widths from 1 to 4 inches. The adjustable platen gap allows thick media such as price tags or floral labels to be used.

Less downtime

All operations, such as paper loading, ink replacement, and printing operations can be performed from one side. In addition, large ink pouches help to print longer without stopping.

¹Any repairs to be carried out by Epson are also dependent on your warranty package.



Wide range of media

We have a wide range of Epson media available for our ColorWorks printers.



Premium matte ticket

Ideal for ticketing, ID badges, shelf tags and signs.

Fast drying.

Scratch and water resistant.

Optimised for high-quality photorealistic graphics.



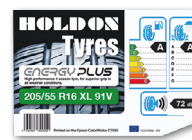
High-gloss label

Ideal for product labels and box labels for consumer products.

Permanent acrylic adhesive.

Fast drying.

Resistant to heat, smudging, water and other liquid damage.



BOPP high-gloss label

Ideal for product labels for consumer products.

Water-borne acrylic permanent adhesive.

Resistant to water and many other liquids.



Premium matte label

Ideal for barcode labels, box labels for consumer products and pharmaceutical labels.

Photo-quality printing.

Resistant to heat, smudging, scratches, water and other liquids.



PP matte premium

Ideal for GHS chemical labelling applications.

Smudge-proof.

Excellent UV-stability and heat resistance.

Resistant to water and most chemicals.



BOPP satin-gloss label

Ideal for product labels for consumer products.

Water-borne acrylic permanent adhesive.

Resistant to water and many other liquids.

Tested by Epson for ColorWorks

The Tested by Epson for ColorWorks programme is designed to provide you with reliable Epson-tested media solutions that are manufactured by industry leading-companies.

Media options range from economical plain to glossy photo-quality paper labels, tags and receipts to super-durable films and wristbands.

The media evaluation process

1

Physical test

Candidate media survey
Media thickness measurement

2

Print quality test




Ink impacting Position Adjustment
Initial printing test
Print quality check
Bar-code test
Water wash test

3

Print behaviour test

Ink transfer test
Paper winding test



Model	CW-C3500	CW-C4000E (mk) / CW-C4000E (bk)	CW-C6000AE / CW-C6000PE
			
Print Head	Serial	μTFP4	μTFP4
Resolution (dpi)	720dpi × 360dpi	1200dpi × 1200dpi	1200dpi × 1200dpi
Ink Colours	4 colours	4 colours	4 colours
Ink Capacity	32ml	50ml	80ml
Supported Media	Matte label, Matte film label, Glossy label, Glossy Film label, High Glossy label	Glossy (BK model), Matte (MK model), paper or film, roll or fanfold, continuous or die-cut	Matte label, Matte film label, Glossy label, Glossy Film label, High Glossy label
IO Port	No	No	Standard
Printing Direction	Bi-directional or Unidirectional	Bi-directional or Unidirectional	Bi-directional or Unidirectional
Label Length	1117mm	406mm	609.6mm
Size (W×D×H)	310 × 283 × 261mm	310 × 283 × 285	340 × 565 × 326mm
Print speed (in full-width)	Max. 103 mm/s at 360 × 360 DPI (printing width 56mm)	100 mm/s (Max Speed 300dpi × 600dpi) 70 mm/s (Speed 600dpi × 600dpi) 48 mm/s (Normal 600dpi × 600dpi) 18 mm/s (Quality 600dpi × 1200dpi) 8 mm/s (Max Quality 1200dpi × 1200dpi)	119 mm/s (Max Speed 300 × 600dpi) 75 mm/s (Speed 600 × 600dpi) 48 mm/s (Normal 600 × 600dpi) 18 mm/s (Quality 600 × 1200dpi) 8 mm/s (Max Quality 1200 × 1200dpi)
Paper Roll Diameter	101.6mm / 4"	101.6	203.2mm / 8"
Paper Width	30 – 112mm	25.4mm – 108mm	25.4 – 112mm
Print Width	Up – 104mm	108mm	Up – 108mm
Peeler / Autocutter	Autocutter	Autocutter	Autocutter / Peeler
Inks	SJIC22P	SJIC42P	SJIC36P
CoverPlus	3 years	3 years	3 years

**CW-C6500AE /
CW-C6500PE**



µTFP4
1200dpi × 1200dpi
4 colours
80ml
Matte label, Matte film label, Glossy label, Glossy Film label, High Glossy label
Standard
Bi-directional or Unidirectional
609.6mm
444 × 512 × 326mm
85 mm/s (Max Speed 300 × 600dpi)
49 mm/s (Speed 600 × 600dpi)
34 mm/s (Normal 600 × 600dpi)
13 mm/s (Quality 600 × 1200dpi)
6 mm/s (Max Quality 1200 × 1200dpi)
152.4mm / 6"
25.4 – 215.9mm
Up – 211.9mm
Autocutter / Peeler
SJIC36P
3 years

**CW-D6000AE /
CW-D6000PE**



µTFP4
1200dpi × 1200dpi
4 colours
80ml
Matte label, Matte film label, Glossy label, Glossy Film label, High Glossy label
Standard
Bi-directional or Unidirectional
609.6mm
340 × 565 × 326mm
119 mm/s (Max Speed 300 × 600dpi)
75 mm/s (Speed 600 × 600dpi)
48 mm/s (Normal 600 × 600dpi)
18 mm/s (Quality 600 × 1200dpi)
8 mm/s (Max Quality 1200 × 1200dpi)
203.2mm / 8"
25.4 – 112mm
Up – 108mm
Autocutter / Peeler
SJIC55
3 years

**CW-D6500AE /
CW-D6500PE**



µTFP4
1200dpi × 1200dpi
4 colours
80ml
Matte label, Matte film label, Glossy label, Glossy Film label, High Glossy label
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152.4mm / 6"
25.4 – 215.9mm
Up – 211.9mm
Autocutter / Peeler
SJIC55
3 years

Model

C8000e (BK)



C8000e (MK)



Print Head	Line inkjet	Line inkjet
Resolution (dpi)	600dpi × 1,200dpi	600dpi × 1,200dpi
Ink Colours	CMY + BK	CMY + MK
Ink Capacity	480ml	480ml
Supported Media	Plain, Glossy, Synthetic Glossy Film, High Glossy	Plain, Matte, Textured Tag
IO Port	D-Sub25	D-Sub25
Label Length	11 – 1016mm	11 – 1016mm
Size (W×D×H)	620 × 392 × 420mm	620 × 392 × 420mm
Print speed (in full-width)	300 mm/s	300 mm/s
Paper Roll Diameter	203.2mm / 8"	203.2mm / 8"
Paper Width	25.4 – 112mm (Internall roll), 50 – 112mm (External roll)	25.4 – 112mm (Internall roll), 50 – 112mm (External roll)
Print Width	Up – 112mm	Up – 112mm
Peeler / Autocutter	Autocutter	Autocutter
Inks	SJIC48P	SJIC48P
CoverPlus	3 years	3 years



1. Research carried out by TÜV Rheinland LGA Products GmbH, August 2014.

For further information please contact your local Epson office or visit www.epson.eu/contact-us
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