THE FUTURE

NEW LEVELS OF QUALITY AND PRODUCTION IN COLOUR PRODUCTION

BRING IT ON

Business can be simple
Colour consistency means compromising on productivity, right? Not anymore. The latest imagePRESS features Auto Correct Colour Tone (ACCT) for multidimensional mixed colour calibration.

This allows colour adjustments to be made on a wider range – keeping the colour consistency, accuracy and quality all at the highest possible level.

What’s more, AGA (Auto Gradation Adjustment – the C850/750/C650’s easy-to-use colour calibration tool) reduces your calibration times, assuring perfect colour correction for even-more-guaranteed consistency on images and text.
CONSISTENTLY VIVID (CV) TONER FOR COLOUR CONSISTENCY

CV toner is Canon’s newly developed toner, which delivers higher quality print combined with high speeds of up to 85 ppm. The new para-shell structure, ultra-fine toner particles and the toner’s smooth surface, it’s improved toner transfer efficiency for enhanced colour consistency and accuracy across a wide variety of media, including embossed and rough paper surfaces for custom and premium applications.

The efficient toner transfer reduces toner wastage, energy consumption and paper deformation. CV toner features a broad colour spectrum for rich and vivid colours that will produce high quality marketing materials and the right colour on all your corporate documents. It has a gloss optimisation technology allowing a high gloss finish on coated media and a matt finish on plain/low gloss media.

The enhanced developer unit is designed to cool the internal temperature and maintain high quality image in heavy duty environments. All these new features mean delighted customers willing to grow their business together with yours.

ENHANCED COLOUR CALIBRATION

Auto Correct Color Tone (ACCT) is the technology to get mixed colour back to initial condition based on values that are registered in the first ACCT at installation executed by service technician. For the first time in a Canon light production device, multidimensional mixed colour calibration (rather than CMYK single colour calibration). As the previous Auto Gradation Adjustment (AGA) focuses correcting single colours.

Auto Correct Color Tone can cover other colours that are not corrected by Auto Gradation Adjustment. A Special chart to be measured by reader is prepared for ACCT. This allows to make colour adjustment with a wider colour gamut that printer can reproduce.

VIBRANT IMAGES

The imagePRESS C850 series feature a 32 beam Vertical Cavity Surface Emitting (VCSEL) laser unit with multi-exposure technology that achieves an exceptional 2,400 x 2,400 dpi resolution – enabling even higher precision in the printing of text and images, while supporting high productivity. Image distortion compensation improves digital scale up and down so operators can easily adjust and correct images, including fan correction.

This new technology also allows operators to choose from a selection of the most versatile screen patterns available. They can select either new dot-screen patterns for optimised quality closer to offset or line-based patterns for even a larger choice.

These screen patterns can optimise the quality of any print application and, as a result, deliver the most stunning images that your customers will love and pay a premium for high-value applications.

COMPACT REGISTRATION TECHNOLOGY (CRT)

Compact and highly accurate registration technology assures best-in-class results whether printing 1 sheet or thousands. The CRT combines digital sensors together with registration rollers to ensure that every single sheet is correctly positioned during print runs and that the image is placed in the same location on every sheet, for the highest quality results every time. This new technology also provides full control of the registration process, allowing you to satisfy the needs of even your most demanding customers.
IMPRESSIVE PRODUCTION SPEEDS
The Advanced Twin Belt Fusing unit is high production speeds of up to 80 ppm are possible on a wide range of media. The imagePRESS C850/C750/C650 is capable of running at maximum speed on heavy stock up to 220gsm and on uncoated stocks it offers exceptional production speeds. It achieves this outstanding productivity thanks to the innovative Induction heating technologies that heat up the fusing belt quickly and efficiently and the improved belt cooling system. The imagePRESS doesn’t sacrifice quality for productivity and these impressive speeds will increase the productivity of your print room and allow you to meet your customer’s demand, increase customer loyalty and grow your business.

MAXIMUM PRODUCTIVITY

AUTO DUPLEX SUPPORT
Duplex printing is in high-demand amongst print professionals as this opens up revenue opportunities, especially for heavyweight stocks. With a compact and efficient path design, the imagePRESS C850/C750/C650 lets you quickly and effortlessly produce duplex print jobs on heavy weight media up to 300 gsm, with highly accurate front to back registration. Thanks to this technology, the imagePRESS C850/C750/C650 delivers a better performance and gives you the opportunity to handle more demanding jobs without manual intervention and impact on your print room productivity.

VERSATILE MEDIA HANDLING

WIDE RANGE OF APPLICATIONS
The most outstanding and eye-catching applications depend on the creativity and the material used for the job, which includes a mix of different substrate. The imagePRESS C850/C750/C650 has been designed to provide you with outstanding performance and impressive media handling. The Elastic Intermediate Transfer Belt – which increases toner transfer efficiency, including on textured or recycled paper – the imagePRESS C850/C750/C650 can handle heavyweight stocks and produce extensive applications ranging from leaflets to the highest-quality brochures and other marketing communications that will give you and your customer the return on investment desired.

ADVANCED FEEDING TECHNOLOGY
The imagePRESS C850/C750/C650 features a new multi-drawer paper deck with enhanced air separation technology and optimum roller pressure, which handles a wide variety of media and prevents multi feeds even of coated stock. This new piece of technology can blow air at different speeds based on the type of paper and weight, virtually eliminating paper jams and significantly increasing your print room’s efficiency and productivity.
THE PERFECT CHOICE FOR EVERY PRINT ENVIRONMENT

The innovative imagePRESS C850/C750/C650 has been designed to meet the all the challenges of the colour production market. Ideal for busy CRD and GA environments, the imagePRESS C850/C750/C650 combines exceptional image quality with powerful productivity and offers the versatility to create extensive and innovative applications across a wide range of media, including heavyweight coated stocks and envelopes.

It can flexibly handle everything from short runs to complex variable data printing for personalised print communications – all within a small but scalable footprint. And with extended finishing capabilities and fast turnarounds it’s the perfect choice to help you meet every print challenge. Plus it offers an excellent return on investment – bringing time and cost savings to demanding CRDs and revenue generating opportunities to Graphic Arts environments.
Different customers want different things. And with the imagePRESS C850/C750/C650, you can make sure they get what they want – right across a wide range of applications and substrates.

The imagePRESS C850/C750/C650’s Elastic Image Transfer Belt (an additional elastic layer on top of the base belt material) delivers the best results in its class – even with challenging media such as heavy-structured media.

So whether you’re printing leaflets or standard-sized envelopes, high-quality brochures or long sheet, 762mm auto-duplex banners – the imagePRESS C850/C750/C650 is up to the job.
In-line and 3rd party finishing for dynamic and impressive applications

Wide range of applications, including banners and envelopes for new ideas and projects
Choice of innovative workflows that suits all ways of working, including the new PRISMAsync.

Wide range of applications, including duplex banner aopes for new ideas and projects.

 Scalable small footprint that suits any environment.
Consistently Vivid (CV) toner for vividly crisp images

R-VCSEL technology provides clear, crisp 2,400 x 2,400 dpi output at high speeds

190 lpi dot-screen pattern for offset-like prints

Compact Registration Technology (CRT) – one of the best one in its class

Advanced Twin Belt Fusing unit for the highest productivity, including mixed-media up to 85ppm

Enhanced colour calibration & Multi D.A.T. II for consistency and accuracy, from the first to the last print, even on long runs

Elastic Image Transfer Belt for versatile media handling, including heavy-structured media

Exceptional uptime to achieve maximum print room performance
## Server Specifications

<table>
<thead>
<tr>
<th>Basic Configuration</th>
<th>imagePRESS Server H300</th>
<th>imagePRESS Server G100 V1.2</th>
<th>PRISMAsync iPR C850 Series A-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Type</td>
<td>External</td>
<td>Embedded</td>
<td>External</td>
</tr>
<tr>
<td>Processor</td>
<td>Intel® Core™ i5-4570S 2.9 GHz up to 3.6 GHz w/Turbo</td>
<td>Intel® Pentium® G850 2.9GHz</td>
<td>Intel® Core™ i5-4570S 2.9 GHz up to 3.6 GHz w/Turbo</td>
</tr>
<tr>
<td>Memory</td>
<td>2 x 2GB DDR-3</td>
<td>1 x 2GB</td>
<td>1 x 8GB DDR-3</td>
</tr>
<tr>
<td>Hard Disk Drive</td>
<td>1TB, 2.5 inch</td>
<td>500GB</td>
<td>2 x 500GB</td>
</tr>
<tr>
<td>Resolution</td>
<td>1,200 x 1,200dpi, 600 x 600dpi</td>
<td>1,200 x 1,200dpi, 600 x 600dpi</td>
<td>PS / PDF: 600 x 600dpi or 1,200 x 1,200dpi, transactional PCL: 600 x 600dpi, transactional IPDS: 600 x 600dpi</td>
</tr>
<tr>
<td>Network Interface</td>
<td>DVI connector Ethernet 1000 Base-T / 100 Base-TX / 10 Base-T</td>
<td>DSUB 15pin connector Ethernet 1000 Base-T / 100 Base-TX / 10 Base-T</td>
<td>DVI connector Ethernet (10 / 100 / 1000 Base-T), USB for files via operator panel</td>
</tr>
<tr>
<td>Network Protocol</td>
<td>TCP/IP, AppleTalk (only support font downloader), Bonjour, SNMP, IPP, FTP, SMB, IPv6, WSD (minimum support to achieve WHQL certification)</td>
<td>TCP/IP, AppleTalk (only support font downloader), Bonjour, SNMP, IPP, FTP, SMB, IPv6, WSD (minimum support to achieve WHQL certification)</td>
<td>TCP/IP, including static / auto IP (DHCP), SNMP v1/ v2c/ v3, Host resources MIB, System group MIB II, Printer MIB, Job Monitor MIB submission via Ipr, hotfolders, socket, SMB, IPP, JDF/JMF (via adapter).</td>
</tr>
</tbody>
</table>

### Standard / Optional

<table>
<thead>
<tr>
<th>Feature</th>
<th>imagePRESS Server H300</th>
<th>imagePRESS Server G100 V1.2</th>
<th>PRISMAasync iPR C850 Series A-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiery System</td>
<td>Fiery System 200</td>
<td>Fiery System 150</td>
<td>PRISMAasync Mark V</td>
</tr>
<tr>
<td>Graphic Arts Feature Set V2.0</td>
<td>Included</td>
<td>Included</td>
<td></td>
</tr>
<tr>
<td>SeeQuence Suite / Impose / Compose</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Graphic Arts Package, Premium Edition</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>Removable HDD Kit-B1</td>
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</tbody>
</table>
**MAIN UNIT - GENERAL SPECIFICATIONS**

- **Technology**: Colour Laser Beam Printing
- **Resolution**: Up to 2400dpi x 2400dpi
- **Colour Gradations**: 256 per colour
- **Registration Tolerance**: Front-to-Back: ±1.0mm or less
- **Print Speed**: CB50: up to 85ppm
  - CB70: up to 75ppm
  - CB80: up to 65ppm
- **Paper Size**:
  - A3: 13” x 19.2”, SRA3: 12” x 18”, Letter-R, Legal, 11” x 17”
  - Letter-R, Legal, 11” x 17”, 12” x 18”, 13” x 19”, Custom Size
  - Up to 100 Sheets
  - Uncoated: Up to 16 Sheets
  - Coated: Up to 5 Sheets
- **Paper Weight**:
  - 52 to 320g/m²
  - (TEC) 8.9kWh in imagePRESS C650 65ppm
  - Typical Electricity Consumption rating 9.9kWh in imagePRESS C850/C750 85ppm/75ppm at fusing unit or less
- **Network Protocols**: TCP/IP
- **Interface Type**: USB 2.0 Hi-speed
- **Min Installation Space**: 1,952mm (W) x 1,624mm (D)
- **Warm Up Time**: Approximately 360 seconds
- **Power**: 240V, 2.6A
- **Dimensions**: 922 x 791 x 1,300 mm
- **Weight**: Approx. 120 kg

**FINISHER - T1/SADDLE FINISHER - T1** [Light series for iPRC750 & CB50 only]

- **Tray Capacity**:
  - Upper Tray: 1,000 sheets
  - Lower Tray: 2,000 sheets
  - Saddle Stitch Tray:
    - Staple Positions: Paper Weight
    - Staple Finisher: Staple Capacity
- **Booklet Stapling Capacity**
  - Dimensions (W x D x H):
  - Tray capacity: Approx. 150 kg
  - Weight Approx. 180kg

**BOOKLET TRIMMER F1** Requires Booklet Finisher

- **Trim Width**
  - Trim Thickness: Acceptable Paper Weight
  - Dimensions (W x D x H):
  - Weight: Approx. 152 kg

**TWO-KNIFE BOOLET TRIMMER A1** Requires Booklet Finisher

- **PUNCH UNIT BT1/BU1** Requires Finisher W1 or Finisher W1

**DUPLEX COLOR IMAGE READER-K1**

- **Image Sensor**
  - Document Size
  - Resolution
  - Scan Speed
  - Color (duplex)
- **Acceptable Punch Paper Size**
  - Dimensions (W x D x H):
  - Weight: Approx. 45 kg

**DOCUMENT INSERTION UNIT N1**

- **Number of trays**
  - Paper size
  - Paper Weight
  - Paper Capacity
- **Dimensions (W x D x H):**
  - Weight: Approx. 120 kg

**HIGH CAPACITY STACKER H1**

- **Paper Size**
  - Paper Weight
  - Output Capacity
- **Dimensions (W x D x H):**
  - Weight: Approx. 71 kg

**PAPER FOLDING UNIT J1**

- **Paper Weight**
  - Paper sizes
  - Paper weight
- **Dimensions (W x D x H):**
  - Weight: Approx. 71 kg

**PERFECT BINDER E1**

- **Booklet size**
  - Width
  - Length
- **Booklet thickness**
  - Cutting Range:
    - Top/Bottom:
  - Foreedge
- **Body pages**
  - Number of sheets
  - Sizes
  - Paper weight
- **Cover**
  - Number of sheets
  - Sizes
  - Paper weight
- **Dimensions**
  - Tray capacity: Approx. 127 mm or total approx. 1,000 sheets
  - Weight Approx. 200 sheets
  - Approx. 1.5Wh or less
  - Approx. 1,560W (at power supply) or less + 2,500W
  - 52 to 300g/m²
  - 922 x 791 x 1,300 mm
  - Approx. 316 kg
  - 240V, 2.6A

For information on full accessories and other server specifications, kindly refer to the product information at [www.canon-asia.com](http://www.canon-asia.com).

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**eMAINTENANCE**

Take control of your Canon device fleet and reduce administration burdens with eMAINTENANCE. With less downtime and easy maintenance, you will have longer uptime and greater productivity.
<table>
<thead>
<tr>
<th>Country</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Website</th>
</tr>
</thead>
</table>
| **PHILIPPINES** | Canon Marketing (Philippines), Inc.  
7/F Commerce and Industry Plaza,  
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Fax: 62-21-384 4271 | www.sama.fitro.co.id |                      |                      |
| **THAILAND**   | Canon Marketing (Thailand) Co. Ltd  
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Fax: 66-2-344 9939 | www.canon.co.th |                      |
| **MALAYSIA**  | Canon Marketing (Malaysia) Sdn. Bhd  
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