

# WorkForce<sup>®</sup> Pro WF-R8590

## Replaceable Ink Pack System

PRINT | COPY | SCAN | FAX | ETHERNET | WIRELESS | PCL/PS

Powered by  
**PRECISIONCORE**<sup>™</sup>



Multifunction

WorkForce Pro

**First-in-class Replaceable Ink Pack System** — out of the box, print or copy up to 75,000 black and 75,000 color pages without changing the ink<sup>1</sup>

**Ideal for MPS** — low ink intervention and minimal maintenance

**High-quality output** — brilliant color accuracy and sharp black text

**Fast print speeds and productivity** — up to 24 ISO ppm (black), 24 ISO ppm (colour)<sup>†2</sup>

**Reliability you can count on** — 75,000-page maximum monthly duty cycle<sup>3</sup> and one-year limited warranty

**Productive** — auto two-sided print, copy, scan, fax, plus auto media size detection

**Easy setup and IT features** — seamless network integration, plus security features; PCL<sup>4</sup> and PostScript<sup>®</sup> 3 support

**Flexible media handling** — large-format prints — up to A3<sup>+</sup>, plus 80-sheet rear feed for specialty media and paper sizes; up to 1831 sheets total paper capacity with two optional paper trays

**Built-in networking and wireless performance** — includes Ethernet, wireless b/g/n<sup>5</sup> and WiFi Direct<sup>®5</sup>; easily print from tablets and smartphones<sup>6</sup>

*Designed for use exclusively with Epson<sup>®</sup> ink packs\*.*

# WorkForce<sup>®</sup> Pro WF-R8590

## Print

**Printing Technology** PrecisionCore 4S printhead 4-colour inkjet  
**Printer Language** Epson ESC/P<sup>®</sup>-R, PCL 5 emulation<sup>†</sup>, PCL 6 emulation<sup>†</sup>, PostScript 3  
**Maximum Print Resolution** 4800 x 1200 optimized dpi  
**ISO Print Speed<sup>†</sup>** Black 24 ISO ppm / Colour 24 ISO ppm  
**Two-Sided ISO Print Speed<sup>†</sup>** Black 16 ISO ppm / Colour 16 ISO ppm  
**Maximum Draft Print Speed<sup>††</sup>** Black 34 ppm / Colour 34 ppm  
**Minimum Ink Droplet Size** 3 droplet sizes, as small as 3.7 picoliters  
**Duty Cycle<sup>‡</sup>** Up to 75,000 pages (Recommended monthly page volume: up to 5000 pages)

## Copy

**ISO Copy Speed<sup>†††</sup>** Black 22 ISO cpm / Colour 21 ISO cpm  
**Copy Quality** Colour/Black-and-White: Standard/Best  
**Copy Quantity** 1 – 999 (PC-free)  
**Maximum Copy Size** 11" x 17"  
**Copy Features** Auto 2-sided, Preview, Resize, Collate, Adjustable Copy Density

## Scan

**Scanner Type** Colour flatbed/Auto 2-sided ADF  
**Photoelectric Device** ColourCIS line sensor  
**Optical Resolution** 1200 dpi  
**Hardware Resolution** 1200 x 2400 dpi  
**Maximum Resolution** 9600 x 9600 dpi interpolated  
**Scanner Bit Depth** 30-bit colour input / 24-bit colour output  
**Scan Features** Scan to PC via Document Capture Pro, Scan to Cloud<sup>‡</sup> (including email), Memory Device, Password Protected PDFs, Address Book via LDAP

## Fax

**Fax Specifications**  
 Black-and-white and Colour  
 Modem: 33.6 Kbps – as fast as 3 sec per page  
 Memory: Up to 550 pages  
 Speed dials: 200 (max.)  
 PC-Fax

## Security

**Security Features**  
 Security Features Pin number certification for job release, Control user access, Printer and network settings via Web configuration using printer's IP address

## Connectivity

**Standard Connectivity**  
 Hi-Speed USB (compatible with USB 2.0 specification)  
 Wireless LAN IEEE (802.11 b/g/n)<sup>§</sup>  
 Wired Ethernet (1000 Base-T/100 Base-TX/10 Base-T)  
 Wi-Fi Direct<sup>¶</sup>

## Connectivity (continued)

**Network Printing Protocols** IPP, LDP, Port 9100, WSD  
**Network Management Protocols**  
 SNMP, HTTP, DHCP, BOOTP, APIPA, DDNS, mDNS, SNT, Ping, SLP, WSD, LLTD  
**WLAN Security**  
 WEP 64 Bit, WEP 128 Bit, WPA PSK (AES)  
**Operating Systems** Windows<sup>®</sup> 8.x (32-bit, 64-bit), Windows 7 (32-bit, 64-bit), Windows Vista<sup>®</sup> (32-bit, 64-bit), Windows XP SP3 (32-bit), Windows XP Professional x64 Edition, Windows Server<sup>®</sup> 2012 R2<sup>§</sup>, Windows Server 2012<sup>§</sup>, Windows Server 2008 R2<sup>§</sup>, Windows Server 2008<sup>§</sup>, Windows Server 2003 R2<sup>§</sup>, Windows Server 2003<sup>§</sup>, Mac OS<sup>®</sup> X 10.5.8 – 10.9.x<sup>§</sup>  
 Mac OS X Server<sup>§</sup>

## Mobile Printing

**Epson Connect<sup>™</sup>** Epson<sup>®</sup> Email Print, Epson iPrint<sup>™</sup> Mobile App, Epson Remote Print  
**Other** Apple<sup>®</sup> AirPrint<sup>™</sup>, Google Cloud Print<sup>™</sup>

## Paper Handling

**PC-free Paper Support** 3.5" x 5", 4" x 6", 5" x 7", Letter, Legal, 11" x 17", A3, A4, A5, A6, B5  
**Maximum Paper Size** 13" x 47.5"  
**Paper Sizes** 3.5" x 5", 4" x 6", 5" x 7", 8" x 10", 8.5" x 11", 8.5" x 14", A3, A4, A5, A6, B4, B5, half letter, executive, 11" x 17", 13" x 19", user definable (3.5" – 47.2" in length)  
**Paper Types** Plain paper, Epson Bright White Paper, Epson Presentation Paper Matte, Epson Premium Presentation Paper Matte, Epson Premium Presentation Paper Matte Double-sided, Epson Photo Paper Glossy, Epson Premium Photo Paper Glossy, Epson Ultra Premium Photo Paper Glossy, Epson Premium Photo Paper Semi-gloss, Epson Ultra Premium Photo Paper Luster  
**Envelope Types** No. 10; plain paper, bond paper, air mail  
**Input Paper Capacity**  
 750 sheets plain paper (250 sheets plain paper x3 trays)  
 Rear feed: 80 sheets  
 (1831 sheets total with two optional 500-sheet paper trays)  
 10 envelopes  
 Auto Document Feeder: 50 sheets

## General

**Display** 5" (12.7cm) Colour Touchscreen  
**Temperature**  
 Operating: 50 ° to 95 °F (10 ° to 35 °C)  
 Storage: -4 ° to 104 °F (-20 ° to 40 °C)  
**Relative Humidity**  
 Operating: 20 – 80%  
 Storage: 5 – 85% (no condensation)

## General (continued)

**Sound Level**  
 Power 6.5 B(A)  
 Pressure 50 dB(A)  
**Rated Voltage** AC 100 – 240V Universal (Automatic)  
**Rated Frequency** 50 – 60 Hz  
**Rated Current** 1.2A – 0.6A  
**Power Consumption**  
 Approx. 40 W ISO 24712 (Standalone copy printing)  
 Approx. TBD W (Standby)  
 Approx. 18 W (Sleep)  
 Approx. 0.4 W (Power off) ENERGY STAR<sup>®</sup> qualified  
**Country of Origin** Indonesia  
**Weight and Dimensions (W x D x H)**  
 Printing: 768 x 902 x 689 mm  
 Storage: 768 x 572 x 592 mm  
 Weight: 53.8Kg  
**What's in the Box** WorkForce Pro WF-R8590 multifunction printer, manual, CD-ROM for product setup, power cord, DURABrite<sup>®</sup> Pro Ink packs<sup>†</sup> – Four R24 ink packs: Black, Cyan, Magenta, Yellow  
**Software Included<sup>†</sup>** Epson printer driver, PCL 5 driver emulation<sup>†</sup>, PCL 6 driver emulation<sup>†</sup>, PostScript 3, Document Capture Pro  
**Warranty** One-year limited warranty

## Ink

**Ink Type** DURABrite Pro pigment ink (smudge, fade and water resistant)  
**Ink Palette** Cyan, Magenta, Yellow and Black  
**Ink Cartridge Configuration** Four individual ink packs  
**Fade Resistance / Print Longevity<sup>††</sup>** Up to 118 years  
**Replacement Ink Packs<sup>†</sup>**  
 R24XXL Extra High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 75000, Colour: 75000)  
 Printer is designed for use with Epson ink packs only, not third-party packs or ink

## Ordering Information

Product Name	Product Code
WorkForce Pro WF-R8590	C11CE25201
Optional 500-sheet paper cassette	C12C817061
Optional cabinet	C12C847261

\*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.

† Black and colour print speeds are measured in accordance with ISO/IEC 24734. Actual print times will vary based on system configuration, software, and page complexity. For more information, visit [www.epson.com/printspeed](http://www.epson.com/printspeed) | †† Black and color copy speeds are determined in accordance with ISO/IEC 29183. Actual copy times will vary based on system configuration and page complexity. For more information, visit [www.epson.com/copyspeed](http://www.epson.com/copyspeed) | 1 R14X Black ink pack prints about 50,000 pages. R14X colour packs print about 50,000 pages on average. Actual number of pages will vary. Replacement ink pack yields are based on testing with ISO/IEC 24712 patterns with Epson's methodology in Default Mode, printing continuously. Yields may vary considerably for reasons that include images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. All ink colours are used for printing and printer maintenance. For print quality, part of the ink from the included cartridges or ink packs is used for printer startup and a variable amount of ink remains in the ink pack after the "replace ink pack" signal. | 2 In accordance with ISO/IEC 24734. | 3 Not all media types are supported for PCL printing. | 4 Wi-Fi CERTIFIED<sup>™</sup>; level of performance subject to the range of the router being used. Wi-Fi Direct may require printer software. | 5 Most features require an Internet connection to the printer, as well as an Internet- and/or email-enabled device. For a list of Epson Connect enabled printers and compatible devices and apps, visit [www.epson.com/connect](http://www.epson.com/connect) | 6 Scan to cloud requires an internet connection, a free Epson Connect account and a destination email address or cloud storage account. For a list of supported cloud services, visit [www.epson.com/connect](http://www.epson.com/connect) | 7 Only printing and scanning are supported under Windows Server OS. | 8 Some applications and/or functions may not be supported under Mac OS X. | 9 Internet access is required to install OS X drivers and software. | 10 Display permanence based on accelerated testing of prints displayed under glass in indoor display conditions; album permanence based on accelerated testing of prints in dark storage conditions. Actual print stability will vary according to media, printed image, display conditions, light intensity, temperature, humidity and atmospheric conditions. Epson does not guarantee the longevity of prints. For maximum print life, display all prints under glass or UV filter or properly store them.

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