

**Ricoh 480W**  
Wide Format Digital Imaging System  
New Technology for a New Era  
of Wide Format Documentation

**RICOH**

easy



wide



print



# Ricoh 480W

**Improving wide format document reproduction and distribution is just the beginning...**

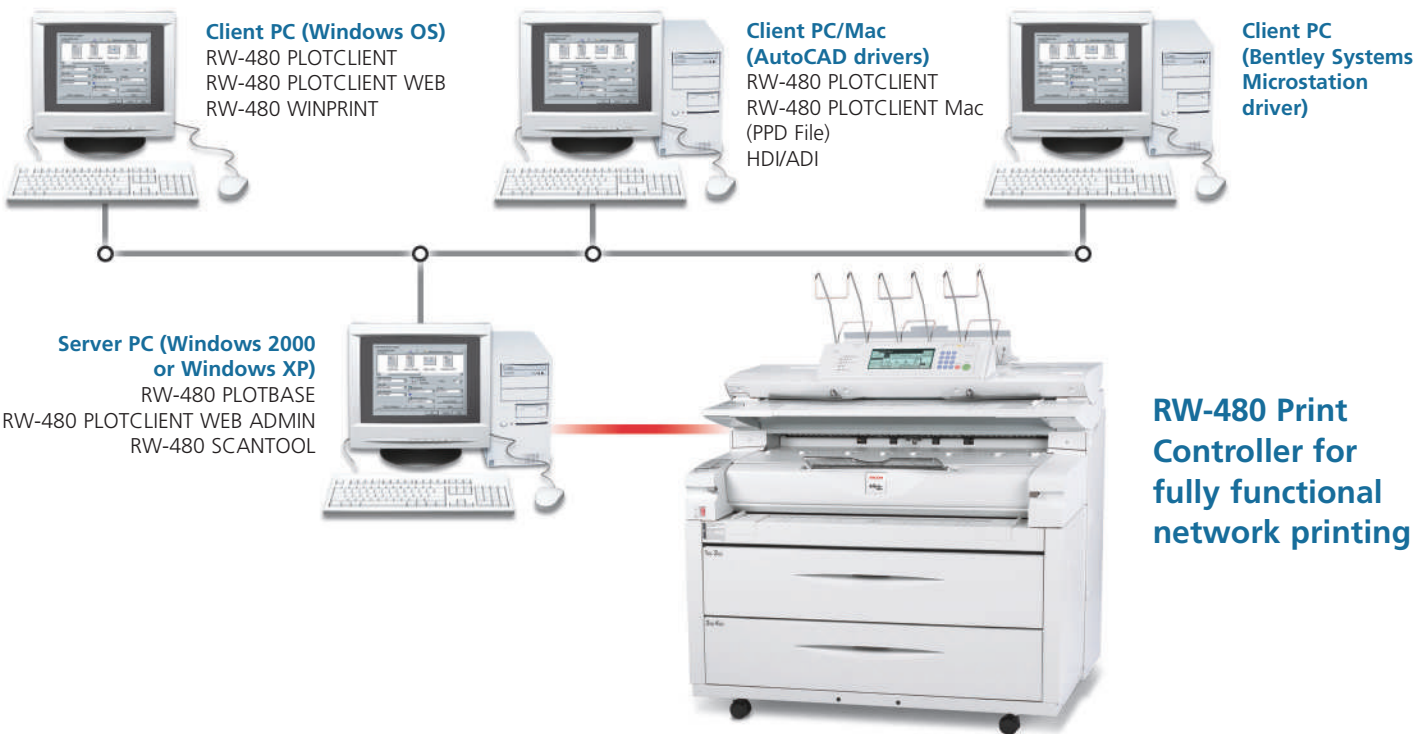
**It's time for a new way of generating wide format documents. A solution that reduces your costs, improves your productivity and boosts your responsiveness—and doesn't rely on outside vendors or require traditional, centralized imaging systems.**

**Introducing the Ricoh 480W Wide Format Digital Imaging System. Its small footprint delivers the cutting-edge performance you've come to expect only from outside vendors or centralized repro departments. It empowers your staff to copy, print, scan and e-mail documents themselves, boosting productivity and improving turnarounds.**



# New Technology for a New Era

Ease and efficiency combine as never before in wide format documentation





# FastEasyUnmatchedIntuitive

## Making Wide Format Copying Walk-up Easy

**Traditionally located in centralized areas, wide format imaging systems used to require trained operators—until now. The Ricoh 480W is designed to make copying and printing wide format documents so easy that virtually anyone can do it.**

- Everything is easily accessible from the front—paper drawers, toner and controls.
- The backlit touch screen panel makes operation easy with minimal instruction. And with the hierarchical tool menus, even novices can select the functions they need on the first try.
- Changing paper on the Ricoh 480W is easier than any other wide format digital system in the industry. And to maximize the time between roll changes, the system has a standard two-roll tray and an optional two-roll drawer or two cut-sheet cassette trays.

## Innovative Document Server for Easy, Fast Storage and Retrieval

**Wide format documents often need to be quickly available for making changes and additions. With the Ricoh 480W's built-in document server, you can store up to 80 GBs of document data for up to 180 days—eliminating the need to search through drawers for originals. It's an ideal location to store your documents, work and projects in progress.**

- Quickly edit, combine images, reduce or enlarge your documents, and stamp them before filing or retrieving for reprinting.
- If you're concerned about security, consider it solved: Just store your work by file name or user name, assign a password for access and your sensitive documents are protected from unauthorized users.

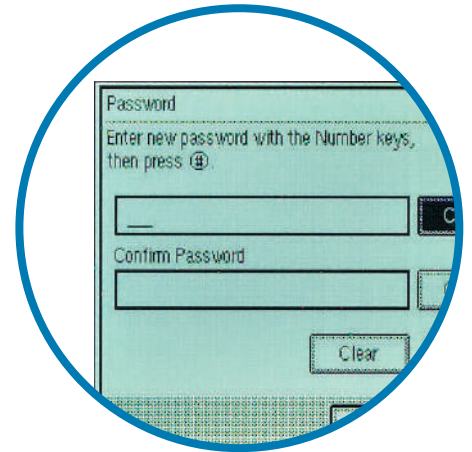
## Faster and Simpler Scanning for Document Sharing

**By eliminating the costs of mailing and overnight delivery and allowing you to send documents almost instantly by e-mail, the optional embedded scanner on the Ricoh 480W can dramatically cut costs and improve service at the same time.**

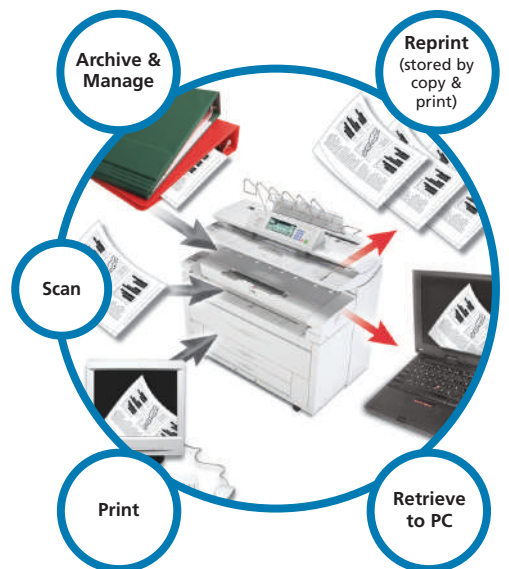
- Scan-to-Email: Now you can scan your documents and send them immediately to anyone with an e-mail address—anywhere in the world. And the LDAP search capability lets you download unlimited recipient names directly from your company's existing e-mail system or corporate address book.
- Scan-to-Folder: Tired of looking through stacks of hard-copy documents for your latest revision? Scan-to-Folder makes storage and retrieval simple for all of your documents: you simply scan directly to a folder on the hard disk through either SMB or FTP protocol. What's more, designated users on your LAN or WAN have the same ease of access to review and update your designs.
- Network TWAIN scanning: This driver solves the problem of what to do with old-style blueprints. It allows you to convert your blueprints into high-resolution black-on-white output by simply selecting "dialzo" when you scan your originals.



Access all paper drawers quickly and easily from the front of the Ricoh 480W. Maximize time between changes with a standard two-roll tray and optional two-roll drawer or two cut-sheet cassette trays.



Files can be password protected and held in memory until released by the owner for increased security, or stored for delayed printing or for print-on-demand applications.



Scanning and printing capabilities improve information management, while minimizing network traffic.

# PrintScanNetworkE-mail

## Desktop Management, Bottom-Line Savings

The Ricoh 480W allows you to manage a long list of functions using your Web browser—right from your desktop. Giving you more time to attend to the mission-critical tasks you're really responsible for.

- Check machine status, paper sizes and locations.
- View the document server job list.
- Assign security levels.
- Define configurations for the interface, network, Web page and security settings.
- View thumbnails of jobs and save them anywhere on your network.

## Protect your Work at Every Step of Document Distribution

Your work is protected on the Ricoh 480W with some of the industry's most proven security measures:

- Prevent unauthorized personnel from accessing secure files with Windows Authentication. Users are required to input their names and passwords before being given access to print specific files.
- Encrypt data until it is actually output, preventing attempts to intercept data during transmission.
- Overwrite "latent images" automatically—images that remain temporarily on the hard drive after any job—preventing the possibility of recreating your work from the unit's hard drive.

## Print Directly from CAD, Windows, Mac and UNIX Applications

Scanning, plotting, manipulating drawings, harnessing the power of the Internet, printing directly from CAD and Windows applications—just a few of the powerful capabilities you can add to the Ricoh 480W with the optional RW-480 Controller and its PLOTBASE and PLOTCLIENT software:

- Print and scan documents up to 49 feet long.
- Plot drawings directly to the Ricoh 480W, eliminating the need to print on slow, costly inkjet plotters.
- Prioritize print jobs automatically from multiple users across your organization.
- Print DWF documents without having to use AutoCAD and scanning to DWF format.
- Offer your clients the convenience of transmitting print jobs using the Internet.
- Add the SCANTOOL option and scan directly to PDF files or multi-page TIFFs, store files in any directory, or merge with files in other projects.



## Your Partner in Environmental Solutions



The Ricoh 480W is Energy Star® compliant, continuing our longstanding commitment to developing office solutions with superior energy- and supply-saving features, including:

- Quick Start Up (QSU) technology
- Power-saving Sleep modes
- Duplex and Combine Copy modes
- Toner Recycling
- Low noise levels
- Minimal ozone emissions

# Ricoh 480W Specifications

## Copier

<b>Configuration</b>	Console
<b>Copying/Printing Process</b>	Electrophotographic Printing
<b>Paper Source</b>	Two (2) Rolls (standard) Paper Cassette Trays (2) (optional) Two Roll Paper Drawer (optional)
<b>Warm-up Time</b>	Less than 2 minutes
<b>First Copy</b>	25 seconds (E size)
<b>Copying Speed</b>	8 cpm/ppm (D size); 4.5 cpm/ppm (E size), 3.93 ips
<b>Resolution</b>	600 dpi x 600 dpi
<b>Gray Scales</b>	256 levels
<b>Gray Scale Printing</b>	2 levels
<b>Reduction/Enlargement</b>	16 presets: Zoom 25% to 200% in 0.1% increments; 200% to 400% in 0.2% increments
<b>Multiple Copies</b>	1-99
<b>Cutting Method</b>	Synchronized cut, preset cut, variable cut
<b>Standard Memory</b>	1 GB
<b>Standard Hard Drive</b>	80GB
<b>Standard</b>	Interface to external PC for RW480 Controller
<b>Original/Copy Size</b>	Maximum: 36" x 590" (49'); Minimum: 8 1/2" x 7"; 36" x 78" bypass
<b>Original Exits</b>	Top, Top Rear Curled, Rear Straight-Path
<b>Copy Exits</b>	Front: Capacity 99 D sheets paper; Rear: 10 E Sheets
<b>Power Source</b>	120V/60Hz; 20A
<b>Dimensions</b>	50" x 30" x 47"
<b>Weight</b>	507 lb.

## Copier Features

- Auto Magnification Selection
- Auto Paper Selection
- Backlit Touch Screen Control Panel
- Combine Originals: 2 in 1, 4 in 1, 8 in 1
- Document Server: Stores up to 375 D-size documents
- Editing Capabilities: Erase, Format Overlay, Image Shift, Margin
- Adjustment, Mirroring, Negative/Positive, Partial Copy Emergency Stop/Interrupt Mode
- Job Program (10 Jobs)
- Original Types
- Background line, Drawing, Generation, Pasted Original, Text/Photo
- Proof Copy
- Stamp: Preset (8), Custom (4), Page, Date

## Copier Options

<b>Embedded Scanner</b>	Scan-to-Email & Folder, Network TWAIN, Security
<b>Original Catch Tray</b>	W37" x D31" x H44"; 30 sheets, 25 lb.
<b>Paper Cassette Unit</b>	Paper Size Max. W24" x L18", Cap. 250 Sheets, 132 lb.
<b>Roll Feeder</b>	Optional 2nd Drawer holding 2 rolls, 36" up to 590"
<b>Roll Holders</b>	Two Rolls, 36" x 590" (49'), Max Roll Diameter 6.88"

RW-480 Controller & Options (see columns 2 and 3)

## Printer Controller RW-480 (optional)

<b>PC Server Specifications:</b>	
<b>Controller Type</b>	External PC Server (Note: Server not included, must be purchased separately from an appropriate vendor)
<b>PC System Requirements:</b>	Windows® 2000 Professional SP3 or Windows XP Professional SP1
<b>Operating System</b>	Pentium 4 or higher, 1GHz
<b>Processor</b>	2.0 or higher x 1 slot (with 3.3 V or 5V auto adaptive max. load 5V)
<b>PCI Interface Slot</b>	Min. 2G for 49' printing/scanning, Min. 512 MB for <math>\leq 19.5'</math> printing/scanning
<b>RAM Memory</b>	At least 10 GB memory
<b>Hard Drive</b>	10/100 Base T Ethernet, TC/IP configuration
<b>Network Interface</b>	At least 1024 x 768 pixels resolution
<b>Monitor</b>	TCP/IP, IPX/SPX, lpr/lpq, HTML, SMB, Ether Talk
<b>Network Protocol</b>	Maximum Speed 8 ppm (D-size documents)
<b>Print Controller</b>	Supported Output File Formats: HP-GL, HP-GL2, HP-RTL, TIFF, Calcomp 906/907, WMF, BMP, CALS, T6X, CIT, PCX.
<b>Unix Support</b>	Redhat Linux 6.x-7.1; HP-UX 10.x/11.x; Sun Solaris 2.67.x/8.x; SCO Open Server 5.x (up to 5.06)
<b>Mac Support</b>	From Mac OS8.6 to Mac OSX10.3
<b>Options</b>	PostScript 3 (for PDF printing and scanning); DWG/DXF/DWF CGM

## Print Controller Features

- Account Tracking
- Auto Paper Select
- Border Setting
- Collation
- Combine Images
- Device Status Monitor
- Image Rotation
- Limitless Paper
- Locked Print
- Magnification
- Media Selection
- Mirror image
- Multiple print sets
- On-line Help
- Output Tray Select
- Pen Settings/Stamping
- Print Queue Management
- Print-to-Document Server
- Print/Scan up to 49'
- Remote print via Internet
- Roll/Media Select
- Sample Print

## Scanner RW-480 (optional)

<b>Controller Type</b>	External PC Server (Same as for Print Controller)
<b>Maximum Speed</b>	8ppm (D size)
<b>Resolution</b>	150 – 1200 dpi
<b>Scan Size</b>	8.5" x 11.6.16" – 35.98" x 590"
<b>File Formats</b>	TIFF Single and Multi Page (uncompressed/G3/G4), T6X, BMP, RLC, HP-RTL, PCX, CALS 1&2, Optional PDF (Single and Multi-Page), Optional DWF
<b>Reading Area Setting</b>	Auto, Fixed, User Defined
<b>Continuous Input</b>	Batch Scanning, Scan-to-File with Autaname, Save Multiple Page Document in One File (PDF or TIFF)
<b>Scanning Modes</b>	Single Copy, Set Copy, Batch Scanning, Archiving, Integrated Editor
<b>Scanner Software</b>	SCANTOOL

## Controller Options

- RW-480 Controller
- Scan Option
- DWG/DXF/DWF Option (Print w/o AutoCAD; Scan to DWF w/Scan Option)
- Postscript 3 (Emulation) Option
- CGM (Computer Graphics Metafile) Option



# RICOH

Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006  
 Ricoh® is a registered trademark of Ricoh Corporation. Windows® and Windows® 95/98/Me/NT4.0/2000/XP are registered trademarks of Microsoft Corporation. Macintosh®, Mac® OS and AppleTalk® are registered trademarks of Apple Computer, Inc. Adobe® and PostScript® are registered trademarks of Adobe Systems, Inc. PCL® is a registered trademark of Hewlett-Packard Company. RPCS™ is a trademark of Ricoh Company, Ltd. All other trademarks are the property of their respective owners. Printed in U.S.A. on recycled paper. Print speed may be affected by network, application or PC performance. Specifications and external appearances are subject to change without notice. Products are shown with optional features.

Printed in U.S.A. on recycled paper because Ricoh cares.



CA-0510