

## MP CW2200SP

Colour Wide Format for CAD & GIS

☑ Copier ☑ Printer ☑ Scanner



MP CW2200SP

0.6  
ppm

A0 Min.  
Colour

MP CW2200SP

1.8  
ppm

A0 Min.  
Black/White

# New colour wide format for CAD & GIS with innovative gel ink technology

At Ricoh, we've used our remarkable heritage of research, development and detailed knowledge of print production to take wide format printing to a new level. The MP CW2200SP leads the way with print speed, colour quality, ease-of-use, efficiency and productivity.

Key features include:

- High productivity
- Low cost
- Fast output
- Easy-to-use



# Widen your horizons with outstanding wide format printing



## Designed for your needs

You need outstanding quality wide format colour reproduction that's not only fast but also low cost. That is exactly what the MP CW2200SP delivers. It has been specifically designed to address the print demands of industries such as manufacturing, architecture, construction, regional planning, building and urban development, and product design.



## Powers productivity

- Uses up to 90% less power than other printers in its class – averages 180 W or less
- Warm up time is 40 seconds – output time up to five sheets faster than major competitors
- Ricoh's innovative Liquid Gel™ ink is quick-drying and smudge-free
- Full front operation with a new colour touch panel
- Supports scan-to-media and media to print as standard



## Optimal print speeds

Quick-drying and smudge-free, Ricoh's innovative Liquid Gel™ ink technology sets new standards for image quality, print speed and productivity.



## Exceptional accuracy and image quality

Whether you're assessing a structural plan or large-scale project, you can depend on getting the exceptional line accuracy and image quality you need. Class-leading print speeds, in-built colour scanner and innovative Ricoh Liquid Gel™ technology result in low total cost of ownership (TCO). All of which not only dramatically improves the way you work but also the productivity of your business.



# Designed for your success



## New Liquid Gel™ ink technology

This is the very first time that this innovative ink, developed by Ricoh, has been used on a wide format system. Because of its quick-drying properties, it guarantees high productivity as well as superb line accuracy and is smudge-free and sun resistant.

## High productivity

- Overall warm up time 40 seconds
- Runs at up to 1.8 pages per minute (ppm) (black and white), 0.6 ppm (colour) on A0, 3.2 ppm (black and white), and 1.1 ppm (colour) on A1
- Printing time: First five sheets output faster than existing LED and inkjet models in its class
- Suction-fed paper handling includes ejection module that reduces feeding time. Can hold 10-sheet stack as standard



## Simple full front operation

- Newly designed and customisable colour LCD touch panel
- Easy job programming with intuitive user interface
- Full-colour thumbnail view and preview
- Versatile functionality and supports 20 languages

# Scan, distribute, share and protect



## New enhanced controller

The MP CW2200SP offers an enhanced controller as well as full network connectivity to streamline your digital wide format workflow and deliver consistently high throughput.

## All functions supported

These include media-to-print, scan-to-USB/SD, and wireless LAN interface option for remote operation. Full colour technical documents, site plans, elevations, posters, maps and project presentations can be scanned into a variety of file forms such as scan to URL, folder or Network Twain Driver for email, archive and print needs.



## Scan preview for increased accuracy

Being able to preview a scanned document before transmission is of huge benefit to improve data input accuracy, especially with confidential documents. You can arrange the preview scale for detailed checking on LCD and, if the image is incorrect or not to your liking, stop transmission. Automatic file naming and number setting makes it simple to archive and retrieve data at a later date.

# Safeguard your information



## The latest security measures

To handle sensitive information and protect your data against possible threats, whether internal or external, the MP CW2200SP comes equipped with the latest security measures. These include administrator and user authentication as well as external authentication to eliminate spoofing, access restriction, secure scanning with encrypted PDF transmission so data can reach its destination safely.

## Protecting data

Data and address book encryption protects the data registered in the MP CW2200SP, even if the built-in memory is removed, disposed of or stolen. Whilst Hard Disk Drive (HDD) overwrite prevents data on the hard disk being leaked before machine disposal, it also allows you to automatically overwrite temporarily stored data.



## Protecting the environment

The MP CW2200SP uses 90% less in power consumption than previous models. In fact, at an average of 120 W or less, it comes an impressive third or more lower than its major competitors. Compiles with the Restriction of Hazardous Substances (RoHS) directive and is Energy Star compliant. All of which further demonstrates Ricoh's on-going commitment to the environment.



# MP CW2200SP



## 1 Scanner module

Full colour scanner with a staggered five CIS (Contact Image Sensors) seating arrangement for optimal scanning quality and clarity. Scanning resolution is up to 600 dpi.

## 2 1st and 2nd Roll

Accommodates CAD and GIS needs with a roll feeder that has 279.4 mm-914.4 mm width. A second roll feeder presents a convenient option. Allows usage of a wide variety of paper types from plain, recycled and tracing to matte film, coated, photo glossy, semi-glossy and other special requirements.

## 3 Nozzle loss detection module

Ricoh's new technology detects defective nozzles and automatically corrects to ensure consistently high image resolution.

## 4 New Liquid Gel™ ink technology

Ricoh's innovative Liquid Gel™ is quick-drying and smudge-free.

## 5 Supply module

Mounted with a constant supply system, it continually monitors the ink in the head-tank via a filter sensor. During printing, this ensures that the head-tank avoids running out of ink.

## 6 Ejection module

Benefitting from new Ricoh technology, this ejection module is installed with a submarine cutter that, as it returns from the feeding side, reduces feed loss time.

# MP CW2200SP

MAIN SPECIFICATIONS

## GENERAL

<b>Printing Process</b>	On demand piezo inkjet system pigment-based ink																		
<b>Memory</b>	3 GB + 250 GB HDD																		
<b>Warm-up Time</b> *23 degrees	Less than 40 sec* (from Standby mode)																		
<b>First Copy Time</b>	<b>A0 SEF:</b> <b>Black and white:</b> 51 sec (Speed Priority Mode) 71 sec (Standard Mode) <b>Colour:</b> 155 sec (Speed Priority Mode) 244 sec (Standard Mode)  <b>A1 LEF:</b> <b>Black and white:</b> 29 sec (Speed Priority Mode) 41 sec (Standard Mode) <b>Colour:</b> 84 sec (Speed Priority Mode) 131 sec (Standard Mode) 600 dpi Roll Paper: 0.068-0.2 mm (51-190 gsm) Cut Sheet: 0.068-0.4 mm (51-220 gsm) (Metric) 210/257/297/364/420/440/490/515/594/610/ 620/625/660/680/707/728/800/841/880/914.4 mm (Inches) 8.5"/9"/11"/12"/15"/17"/18"/22"/24"/30"/34"/36"																		
<b>Copy Resolution</b>																			
<b>Output Paper Weight</b>																			
<b>Roll Paper Width</b>																			
<b>Copy Speed (CPM)</b>	<b>A0 SEF:</b> <b>Black and white:</b> 1.8 cpm (Speed Priority Mode) 1.1 cpm (Standard Mode) <b>Colour:</b> 0.6 cpm (Speed Priority Mode) 0.3 cpm (Standard Mode)  <b>A1 LEF:</b> <b>Black and white:</b> 3.4 cpm (Speed Priority Mode) 2.0 cpm (Standard Mode) <b>Colour:</b> 1.1 cpm (Speed Priority Mode) 0.6 cpm (Standard Mode)																		
<b>Reproduction Ratio</b>	<table border="1"><thead><tr><th rowspan="2"></th><th colspan="2">Inch Version</th><th rowspan="2">Metric Version</th></tr><tr><th>Engineer</th><th>Architecture</th></tr></thead><tbody><tr><td><b>Reduce</b></td><td>25%, 32.4%, 50%, 64.7%</td><td>25%, 33.3%, 50%, 66.7%</td><td>25%, 35.4%, 50%, 70.7%</td></tr><tr><td><b>100%</b></td><td>100%</td><td>100%</td><td>100%</td></tr><tr><td><b>Enlarge</b></td><td>129.4%, 200%, 258.8%, 400%</td><td>133.3%, 200%, 266.7%, 400%</td><td>141.4%, 200%, 282.8%, 400%</td></tr></tbody></table>		Inch Version		Metric Version	Engineer	Architecture	<b>Reduce</b>	25%, 32.4%, 50%, 64.7%	25%, 33.3%, 50%, 66.7%	25%, 35.4%, 50%, 70.7%	<b>100%</b>	100%	100%	100%	<b>Enlarge</b>	129.4%, 200%, 258.8%, 400%	133.3%, 200%, 266.7%, 400%	141.4%, 200%, 282.8%, 400%
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<b>Zoom</b>	25% to 400% by 0.1% Step																		
<b>Multiple Copying</b>	1 to 99																		
<b>Paper Feeding Capacity</b>	<b>1st and 2nd Roll Feeder:</b> One Roll Paper each Width 279.4 mm-914 mm (8.5" - 36") Max length 150,000 mm/Max diameter ø176 mm <b>Bypass:</b> One sheet																		
<b>Paper Output Capacity</b>	<b>Stack:</b> 10 Sheets (plain paper) *2" core roll cannot be stacked because the curvature factor is small																		
<b>Power Source</b>	220-240 V, 50-60 Hz, 1.9 A																		
<b>Max Power Consumption</b>	Less than 180 W																		
<b>Dimension (W x D x H)</b>	1,384 x 660 x 1,214 mm																		
<b>Weight</b>	Less than 120 kg																		

## PRINTER SPECIFICATIONS

<b>Controller Board</b>	Embedded (GWNX Controller)
<b>Print Speed</b>	<b>A0 SEF:</b> <b>Black and white:</b> 1.8 ppm (Speed Priority Mode) <b>Colour</b> 0.6 ppm (Speed Priority Mode)  <b>A1 LEF:</b> <b>Black and white:</b> 3.2 ppm (Speed Priority Mode) <b>Colour</b> 1.1 ppm (Speed Priority Mode)
<b>Print Drivers</b>	Adobe PostScript3, HDI
<b>Supported Print Language</b>	PostScript3, HP-GL, HP-GL2
<b>Print Resolution</b>	Speed Priority Mode: 600 dpi x 300 dpi Standard Mode: 600 dpi x 600 dpi Quality Priority Mode: 600 dpi x 600 dpi *Quality Priority Mode only for Coated Paper, Film (Matted) and Special Paper: 1200 dpi x 1200 dpi
<b>Network Protocol</b>	TCP/IP (IP v4, IP v6), IPX/SPX

## SCANNER SPECIFICATIONS

<b>Colour Scan</b>	Standard
<b>Scanning Speed</b>	<b>Black and white:</b> 80 mm/s (600 dpi), 160 mm/s (200 dpi) <b>Colour:</b> 26.7 mm/s (600 dpi), 40 mm/s (200 dpi)
<b>Scanning Resolution</b>	200 dpi (default)
<b>Original Scan Size</b>	Maximum: 914 mm x 15,000 mm (36" x 590") Minimum: 210 mm x 210 mm (8.5" x 8.5")
<b>Protocol</b>	Network: TCP/IP Scan to email: SMTP, Gateway and TCP/IP Scan to folder: SMB, FTP PDF/TIFF/JPEG
<b>Output formats</b>	Max 50 client folders / PCs per send
<b>Scan to folder</b>	Max 500 address numbers per send (HDD)
<b>Scan to email</b>	Max 100 address numbers per send (direct input)

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imagine. change.

