Ricoh
MP W7100SP/ W8140SP

Mono Wide Format Multi-Function Printer

☑ Copier ☑ Printer ☑ Scanner

RICOH
imagine. change.

Ricoh MP W7100SP — **10** ppm B/W

Ricoh MP W8140SP — **14** ppm B/W

Contents:

This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.

1. Introduction

MP W7100SP and MP W8140SP are versatile and productive wide format multifunctional printers (MFPs). Designed to meet mid- to high-volume requirements in the technical wide format market (architecture, engineering, construction, manufacturing etc), they combine high quality black-and-white printing and copying with colour scanning. MP W7100SP will produce 10 A1 prints a minute and MP W8140SP will produce 14 A1 prints a minute.

The new MFPs provide a single compact solution to all wide format imaging requirements. Connected to the print network, they allow workgroup users to print complex technical drawings at speed, make accurately scaled copies of hand-drawn originals and blueprints, and scan colour documents in high resolution for onward distribution and electronic storage.

Ricoh's next generation controller architecture (GWNX controller) simplifies operation and streamlines the document workflow. The 9 inch colour touchscreen panel and intuitive operation system will be familiar to users of Ricoh's small format MFPs. The integrated web printing tool - a browser-based print utility - supports HP-GL2, HP-RTL, TIFF, CALS, JPEG and PDF file formats.

Mark-ups and amendments are an everyday fact of life for architects, engineers and contractors. The integrated colour scanner with its simple scan-to functionality allows users to record and communicate critical changes with unparalleled ease. Large format documents can be scanned in colour to email, USB/SD memory, the integral document server or to a network location.

Despite their versatility, MP W7100SP and MP W8140SP are amongst the most compact wide format systems available. The colour scanning station and the print engine are integrated in a single console, eliminating the need for separate stand-alone units. Front-facing operation reduces spatial requirements and, with a footprint of just 1,250mm by 755mm, the new MFPs take up less than 1m² of floor space.

MP W8140SP can also be deployed in applications where there is a requirement for separate scan and print stations. The optional Scanner Separation Unit (MP W8140SP only) allows the colour scanning station to be detached and mounted separately from the print engine. This option will prove useful in applications where the sheer volume of scanning might otherwise restrict access to print output.

MP W7100SP and MP W8140SP are designed for intensive use. Prints and copies are delivered at speed and the durable system can be used to produce up to 16.620 metres of print a month. To support productive operation, the standard two-roll paper feed system can be expanded to four rolls with the addition of an optional two-roll paper feed unit or a two-draw cassette for pre-cut media.

A range of optional paper handling systems enable MP W7100SP and MP W8140SP to be configured to individual customer requirements. They include an original hanger, a single-station multi-stacker, a dual-station multi-stacker and an original tray. RFG - a third-party supplier - also offers an online folding system for MP W7100SP and MP W8140SP that will automatically fan and cross fold documents.

The launch coincides with a nascent recovery in manufacturing and construction. Ricoh's productive wide format technology can be used to streamline design processes, reducing time to market. And, because it is so affordable, the technology will support the needs of customers looking to move from restrictive centralised print solutions to more accessible workgroup solutions.

This guide explores the functionality of the products in more detail, explaining new features and identifying key selling points. It includes side-by-side comparisons with competitor products.

2. Quick Overview

MP W7100SP and MP W8140SP are wide format multifunctional printers (MFPs). They print and copy in black and white and scan in full colour. Network ready, they can meet the wide format imaging needs of medium- to large-sized technical workgroups. The integrated web printing tool supports HP-GL2, HP-RTL, TIFF, CALS, JPEG and PDF file formats. Documents can be scanned in colour to email, USB/SD memory, the integral document server or to a network location. MP W7100SP produces 10 A1 prints a minute and MP W8140SP, 14 A1 prints a minute. The compact single-console design saves space and the colour touchscreen operational panel simplifies use.

The main specifications are:

- Wide format multifunctional printers
- Compact single-console design
- 1,250mm x 755mm footprint (less than 1m²)
- Black and white printing and copying
- Colour scanning to email, USB/SD card memory, document server or network location
- Ricoh next generation (GWNX) controller architecture
- 9 inch colour touchscreen operation panel
- 320GB HDD providing document server functionality
- USB/SD card reader located on the control panel
- Network ready with Gigibit Ethernet interface
- Integrated web printing tool
- Two-roll paper feed (option to expand to four rolls)
- Cut sheet bypass (single sheet)
- Fully synchronised cutter
- 10 A1 ppm (MP W7100SP) / 14 A1 ppm (MP W8140SP)
- 600 dpi print/copy/scan resolution
- 25% to 400% zoom with 0.1% increments
- 15m / 30m maximum print length

Feed and finishing options include:

- Third-/fourth-roll feed unit, or Two-draw cassette for pre-cut media
- Original hanger
- Original tray
- Single-station multi-stacker, or Dual-station multi-stacker, or RFG (third-party) online folding system
- Spare paper roll holder
- Scanner separation unit
- Wireless LAN interface
- Web browser unit
- OCR unit
- SD card for NetWare printing
- DWG printing

A full list of options, order codes and configuration dependencies is provided in section 6. Configuration and Ordering.

MP W8140SP and optional Scanner Separation Unit

Quick Overview - Main Specifications		
	MP W7100SP	MP W8140SP
Functionality	Print (B&W), copy (B&W) and scan (Colour)	
Configuration	Console includes scanner, print engine, bypass and two-roll paper feed (option to expand to four-roll paper feed)	
Paper feed (standard)	Two roll (175mm diameter, 210mm - 914mm width, up to 15m length) plus single sheet bypass	Two roll (175mm diameter, 210mm - 914mm width, up to 30m length) plus single sheet bypass
Paper feed (option)	Third and fourth roll (same specifications as above) or 2 x 250 sheet paper cassette	
Cutter	Fully synchronised cutter (preset / synchronised / variable cut)	
Print / copy speed	120 mm/sec (10 A1 ppm / 5 A0 ppm)	170 mm/sec (14 A1 ppm / 7 A0 ppm)
Maximum print size	914.4mm x 15m	914.4mm x 30m
Print languages (standard)	HP-GL2, HP-RTL, TIFF, WMF, BMP, CALS, PCX, JPEG, PDF, Calcomp, XLS, DOC/DOCX, PPT (standard) / DWG, DXF, DWF (optional)	
Scanning speed	42.5 - 340 mm/second	
Maximum scan size	914.4mm (36Ó) x 15m	914.4mm (36Ó) x 30m
Copy modes	Text, drawing, text/photo, photo, ruled line elimination, patched original, generation original, highlighter pen	
Enlargement / reduction	25% to 400% in 0.1% increments	
Memory	2GB RAM (copy/print), 2GB RAM (scanner) and 320GB HDD	
Interfaces	Gigabit Ethernet, USB host, USB 2.0, USB/SD card slot (standard) / Wireless LAN (option)	
Dimensions	1,250 x 755 x 1,200mm (W x D x H)	
Weight	230kg	
Print Volume APV	1,200 linear metres or 2,020 A1 prints	2,500 linear metres or 4,210 A1 prints
MPV	6,500 linear metres or 10,940 A1 prints	16,660 linear metres or 28,040 A1 prints
Maintenance PM cycle	10,000 linear metres or 16,840 A1 prints	
MCBC	3,400 linear metres or 5,730 A1 prints	
Machine life	1,683,000 A1 prints or 5 years, whichever comes first	

3. Sales Highlights

Print, Copy and Scan

Network ready 3-in-1 MFPs, MP W7100SP and MP W8140SP can meet the imaging requirements of medium to large technical workgroups. Hardcopy originals are easily digitised and can be forwarded to email and saved in full colour. Multiple scaled copies can be produced from a single scan and, using the web printing tool, immaculately rendered black-and-white plots can be produced directly from CAD.

- Networked 3-in-1 wide format multifunctional printers (MFPs)
- Scan in full colour to email, USB/SD memory card, document server or network location
- Produce multiple scaled copies from memory (scan once, copy many)
- Drag and drop documents to the queue, set attributes and print remotely
- Enhance security and simplify workflow by releasing print upon collection

Increase Productivity

MP W7100SP and MP W8140SP enhance productivity by producing immaculate print and copy output at speed. The wide format MFPs warm up in less than two minutes and will produce a first A1 print in less than nine seconds. MP W7100SP produces 10 A1 prints a minute and MP W8140SP, 14 A1 prints a minute. Equipped with 4 paper rolls (2 standard and 2 optional), there is no delay when switching from one media size to another.

- Warmed up and ready to print in less than two minutes
- First A1 print produced in less than nine seconds
- 10 A1 / 5 A0 ppm (MP W7100SP) or 14 A1 / 7 A0 ppm (MP W8140SP)
- Fully synchronised automatic cutter
- Two or four roll paper capacity reduces manual intervention

Save Space

The productive 3-in1 MFPs have a compact ergonomic design and will save valuable office space. The scanner, print engine and paper feed are integrated in a single console, eliminating the need for separate stand-alone units. Front-facing operation reduces spatial requirements and, with a footprint of just 1,250mm by 755mm, the new MFPs take up less than 1m² of floor space.

- Networked 3-in-1 MFP replaces multiple stand-alone systems
- Single console design encompasses scanner and print engine
- Tiny footprint (less than 1m²) saves valuable office space
- Simple front access to original feed station, operation panel and media
- Scanner can be mounted separately if required (option for MP W8140SP)

Simplify Operation

Advanced features, such as document preview, password protection and lock print, help to streamline document workflows and protect document security. The 9 inch colour touchscreen panel with its intuitive menu system will be familiar to users of Ricoh's small format MFPs and, in centralised print environments, the USB/SD card reader facilitates simple walk-up use of the wide format multifunctional technology.

- Next generation (GWNX) controller architecture
- 9 inch colour touchscreen operation panel
- Digitise and distribute documents electronically
- Store and print documents on demand from the integral document server
- Encrypt, password protect and lock documents

Manage Work

Operators can browse folders, check the contents of files, change print queue and hold, release or delete jobs stored within the document server using the touchscreen operation panel or Ricoh's remote Web Image Monitor utility. Using the same utility, remote users can check that the MFP is online and that the right media is loaded, before they send a job to print.

- Integral 320 GB HDD provides document server functionality
- Browse folders, preview scanned images and print documents on demand
- Manage print queues and hold, release or delete stored jobs
- Simple remote management via Web Image Monitor
- Lock print and release it securely upon collection

Print from CAD

The embedded GWNX controller saves space, reduces expenditure and simplifies print processes. RP-GL/2, RTIFF and PDF drivers support printing of HP-GL/GL2, HP-RTL, TIFF, CALS, JPEG and PDF file formats whilst the DWG print option enables documents to be printed directly from AutoCAD. Using the intuitive web printing utility, remote users can also drag and drop documents to the print queue and set print attributes.

- Embedded GWNX controller saves space and reduces expenditure
- Includes high-bandwidth Gigabit Ethernet interface
- RP-GL/2, RTIFF and PDF drivers support HP-GL/GL2, HP-RTL, TIFF, JPEG and PDF formats
- DWG print option extends support to DWG, DXF and DWF format
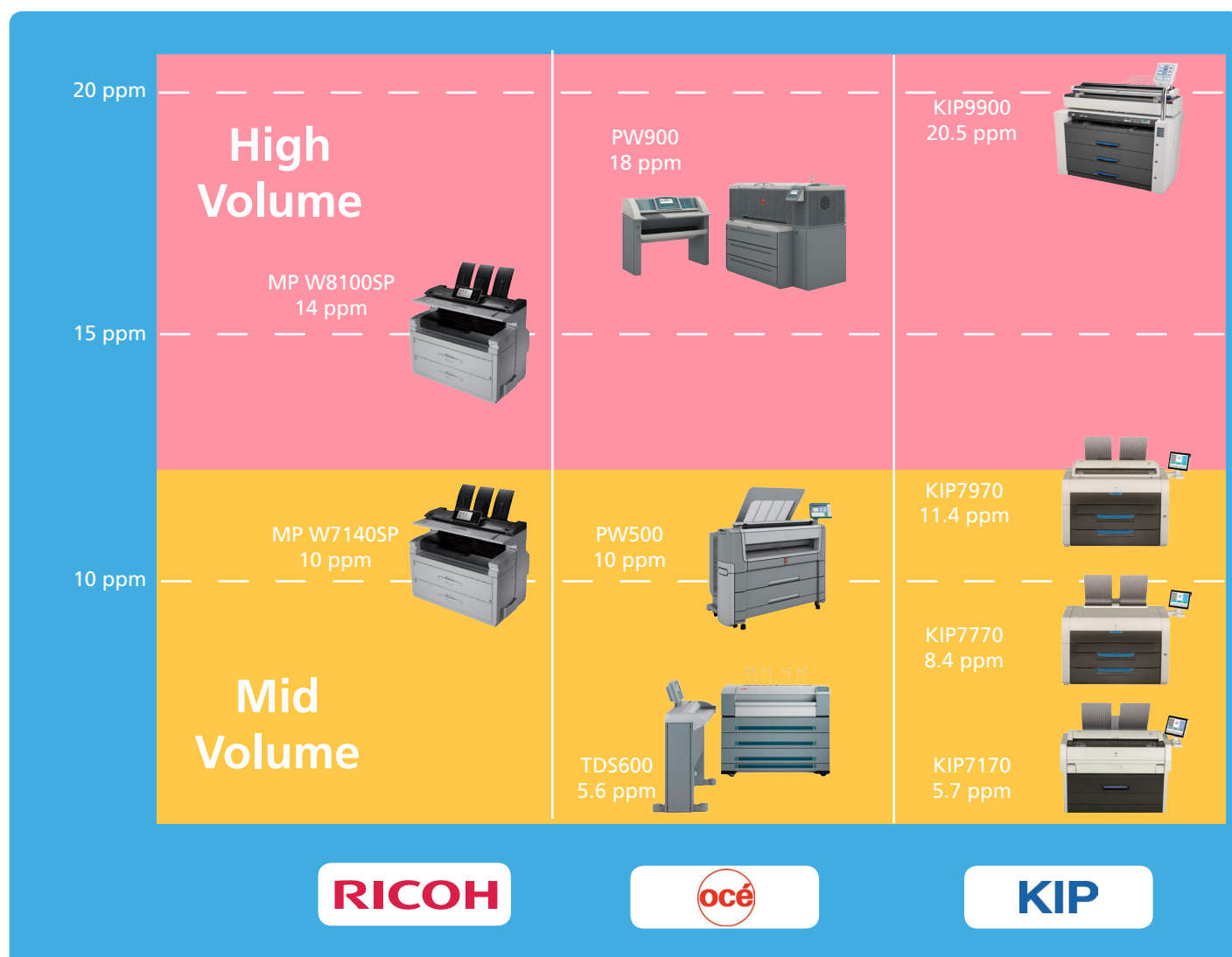- Web print utility provides simple remote drag-and-drop print facility

4. Product Positioning

- **Wide format multifunctional printers (MFPs)**
- **Black and white printer-copier and colour scanner**
- **High speed throughput and high volume capacity**
- **10 or 14 A1 ppm throughput, two- or four-roll media station**
- **Shared workgroup solution for technical markets**
- **Centralised solution for CRD and PFP**

MP W7100SP and MP W8140SP are versatile and productive wide format 3-in-1 multifunctional printers (MFPs). They produce high quality black-and-white prints and copies at speed, and provide the facility to digitise hardcopy originals in full colour. The network ready wide format MFPs offer the speed and capacity to meet demanding mid- to high-volume imaging requirements in the technical market.

With a powerful embedded print controller providing support for multiple file formats, an integrated USB/SD card reader simplifying walk up use and the capacity to switch quickly between media sources, they are also well suited for use in centralised print environments, such as CRDs and Pay-for-Print bureaus, where a variety of documents need to be printed with minimal fuss.

High Volume	PW900 18 ppm	KIP9900 20.5 ppm
MP W8100SP 14 ppm		
MP W7140SP 10 ppm	PW500 10 ppm	KIP7970 11.4 ppm
Mid Volume		KIP7770 8.4 ppm
	TDS600 5.6 ppm	KIP7170 5.7 ppm

RICOH · océ · KIP

5. Comparison with Predecessor

MP W7100SP and MP W8140SP are replacements for the successful MP W5100 and MP W7140. Developments of the same durable print engine, MP W7100SP and MP W8140SP feature a number of enhancements. The new MFPs incorporate Ricoh's next generation (GWNX) controller architecture, feature a new easy to navigate 9 inch colour touchscreen operation panel and include black-and-white printing and colour scanning as standard features.

Enhancements are listed below:

New features include:

- Embedded next generation (GWNX) controller
- High-bandwidth Gigabit Ethernet interface
- 9 inch super VGA colour touchscreen operation panel
- Print functionality provided as a standard feature
- RP-GL/2, RTIFF and PDF drivers support HP-GL/GL2, HP-RTL, TIFF, JPEG and PDF formats
- DWG print option extends support to DWG, DXF and DWF format
- Colour scanning functionality provided as a standard feature

- Option to detach and mount the scanner away from the print engine (MP W8140SP only)
- Print from and scan to USB/SD card memory
- Preview scanned documents on the touchscreen panel
- Save scanned documents as searchable PDFs (requires OCR option)
- Animated jam clearance
- Superior print quality with reduced background noise
- Improved consistency on long print runs
- Synchronised cut using Web Print Tool, printer driver and PrintCopy Tool
- Improved trail edge print capability eliminates need to manually adjust margins
- Force print feature enables non-stop operation in the event of paper mismatch
- Preview, reprint and batch printing functions are supported by PrintCopy tool
- Complies with latest EPEAT Gold and Energy Star environmental standards

Features and advantages are described in section 8. Key Features

6. Configuration and Order Codes

Hardware Configuration

MP W7100SP and MP W8140SP are supplied as floor-standing single-console multifunctional printers (MFPs) and incorporate a colour scanner, black-and-white print engine, single sheet bypass feed and two-roll media feed station.

1 = 50 sheet original output tray
2 = 9 inch colour VGA touchscreen operation panel
3 = USB/SD card reader
4 = Colour scanning station
5 = Front copy exit tray
6 = Single sheet bypass feed
7 = Two-roll media feed station

MP W8140SP configured with optional third-/fourth-roll paper feed

Peripheral Options

1 = Scanner Separation Kit (MP W8140SP only)
2 = Roll Unit RU6540 (third-/fourth-roll feed), or
3 = Paper Cassette CT6510 (two-draw cassette)
4 = Roll Holder Unit [not pictured]
5 = Original Hanger [not pictured]
6 = Original Tray Type G [not pictured]
7 = Rear Stacker Type 7140 (single-station multi-stacker), or
8 = Rear Stacker Type 7140 (dual-station multi-stacker) [not pictured], or
9 = RFG (third-party) inline folding system [not pictured]
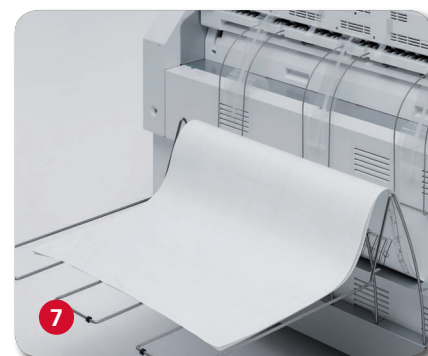
Functional Configuration

The network ready MFPs feature Ricoh's latest embedded next generation (GWNX) controller, are print, copy and scan enabled, and equipped with a 320GB HDD/document server. Functional upgrades include a wireless LAN interface, web browser, OCR unit, SD card for NetWare printing and a DWG option for printing from AutoCAD.

More peripheral and functional upgrade options are listed below (see EDP Codes and Dependencies)

EDP Codes and Dependencies

Machine and Option EDP Codes - MP W7100SP and MP W8140SP					
Category	**Product Name**	**Item**	**EDP Code**	**Must Install**	**Cannot Install**
Mainframe	MP W7100SP	10 A1 ppm WF MFP	417284		Scanner separation unit
	MP W8140SP	14 A1 ppm WF MFP	417287		
Branding	Brand Plaque for NRG MP W7100SP	NRG branding for MP W7100SP	904780		Replaces Ricoh brand plaque
	Brand Plaque for NRG MP W8140SP	NRG branding for MP W8140SP	904780		Replaces Ricoh brand plaque
Paper Feed	Roll Unit RU6540	3rd / 4th roll feed	417293		2 x 250 sheet cassette
	Paper Cassette CT6510	2 x 250 sheet cassette	417296		3rd / 4th roll feed
	Roll Holder Unit Type A	Spare roll holder	410844		
Scanning	Scanner Separation Kit Type M14	Table unit for scanner	417298	MP W8140SP only	
Original Feed	Original Tray Type G	Original tray	410842		
	Original Hanger	Original hanger	413717		
Stackers	Multi Stacker Type 7140	Single-station multi-stacker	406305		
	Rear Stacker Type 7140	Dual-station multi-stacker	406306		
Functional Upgrades	Browser Unit Type M14	Web browser	417300		
	OCR Unit Type M2	PDF OCR	417173		
Printing	SD card for NetWare printing Type M14	Netware Printing	417301		
	TotalFlow PrintCopyTool	TotalFlow PrintCopyTool	415873		
	PrintCopyTool Option Type D2015	PrintCopyTool Option Type D2015	417387		
	PrintCopyTool Option Type D Upgrade Kit 2015	PrintCopyTool Option Type D Upgrade Kit 2015	417388		
Interfaces	IEEE 802.11a/g/n Interface Unit Type M2	Wireless LAN	416572		
Security	Data Overwrite Security Unit Type H	Data Overwrite Security	416373		
	Optional Counter Interface Unit Type M12	Print/copy counter interface	417111		

OI Kit EDP Codes

Language	Description	EDP Code	Language	Description	EDP Code
English	OIMPW8140SPGB	904661	Finnish	OIMPW8140SPFI	904654
German	OIMPW8140SPDE	904659	Portuguese	OIMPW8140SPPT	904649
French	OIMPW8140SPFR	904658	Polish	OIMPW8140SPPL	904651
Italian	OIMPW8140SPIT	904660	Czech	OIMPW8140SPCZ	904650
Spanish	OIMPW8140SPES	904656	Hungarian	OIMPW8140SPHU	904647
Swedish	OIMPW8140SPSE	904657	Russian	OIMPW8140SPRU	904648
Dutch	OIMPW8140SPNL	904652	Catalan	OIMPW8140SPCA	904644
Norwegian	OIMPW8140SPNO	904653	Turkish	OIMPW8140SPTR	904646
Danish	OIMPW8140SPDK	904655	Greek	OIMPW8140SPGR	904645

Consumable EDP Codes

| Brand	Item	Product Name	EDP Code	Quantity and Yield
Ricoh	Black Toner	Ricoh MPW7140TONJP	821021	6K copies @ A1/D, Ricoh 6% chart /cartridge (800g)
	Black Toner	NRG MPW7140TONJP	821024	6K copies @ A1/D, Ricoh 6% chart /cartridge (800g)
Generic	Developer	DT70BLK Developer 1	B0109640	138K copies @A1/D LEF Ricoh 6% chart / 1.0kg x 2bags (2.0kg)
	Drum	Ricoh MPW7140 drum	D2069510	30,000 metres

7. Target Markets

MP W7100SP and MP W8140SP are designed to meet demanding mid- to high-volume imaging requirements in the technical market. Target customer groups will include architectural firms, engineering companies, construction and manufacturing businesses. MP W7100SP and MP W8140SP can be deployed as shared workgroup devices and will be used by designers to print accurately scaled CAD drawings and to scan and share annotated or hand drawn originals.

MP W7100SP and MP W8140SP are also well suited for applications in centralised print environments, such as CRDs and Pay-for-Print bureaus. The embedded print controller provides support for multiple file formats, the USB/SD card reader simplifies walk-in use and, with the MFPs able to switch quickly between media sources, MP W7100SP and MP W8140SP will enable a wide variety of wide format documents to be printed profitably and with minimal fuss.
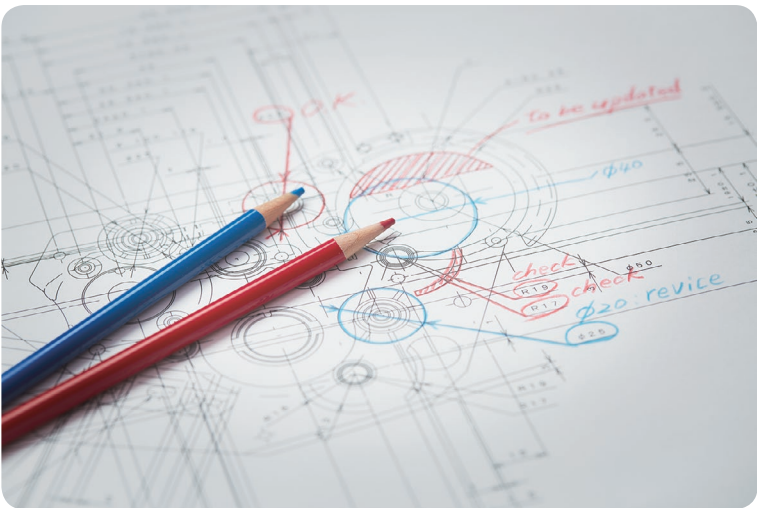
Business drivers will include:

Sector	Business Drivers	MP W7100SP/W8140SP Advantages
Technical Office	Reduce time to market	Affordable technology can replace centralised/outsourced solution, improving control and accelerating design process.
Technical Office	Digitise paper-based archives	The colour scanner, scan-to functionality and integral document server allow hard copy originals to be archived.
Technical Office and CRD/PFP	Improve productivity	Fast throughput, multi-roll feed system and intuitive operation will support more productive work practices.
Technical Office and CRD/PFP	Capture and share amendments	Ricoh's simple scan-to-email feature allows critical amendments to be captured, distributed and actioned more quickly.
Technical Office and CRD/PFP	Release floor space	The single-console MFPs require minimal space, can be shared by workgroup users and will replace multiple stand-alone devices.
CRD/PFP	Expand customer services	Compact, affordable and easy-to-use, the MFPs can be used to provide profitable wide format printing and scanning services.
CRD/PFP	Simplify service delivery	USB/SD card reader simplifies walk-up use, multiple file formats are supported and the MFPs switch quickly between media sources.

8. Key Features

Mainframe		
Feature	**Advantage**	**Benefit**
Single-console	The scanner, print engine and paper feed are integrated in a single console, eliminating the need for separate stand-alone units.	Releases office space.
Compact dimensions	With a footprint of just 1,250mm by 755mm, the new MFPs take up less than 1m² of floor space.	Reduces spatial requirements.

Scanning		
Feature	**Advantage**	**Benefit**
Colour scanning station	Scan, save and distribute large format originals in full colour.	Digitise paper-based archives, saving space and making information easier to find.
Scanner separation unit (option for MP W8140SP)	Allows the scanning unit to be mounted separately from the print engine.	Improves access by physically separating scanning and printing processes.
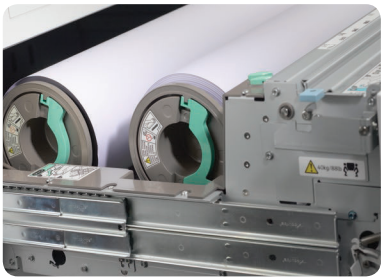
Operation

Feature	Advantage	Benefit
Colour touchscreen operation panel	MP W7100SP and MP W8140SP share the same 9" touchscreen operation panel as their small format counterparts.	Simplifies operation and improves productivity. Users of Ricoh small format MFPs will be instantly familiar the intuitive operating system.
Animated guidance	The colour touchscreen panel provided animated guidance in the event of a paper jam.	Simplifies jam clearance, reducing downtime.

Printing

Feature	Advantage	Benefit
GWNX controller	The new wide format MFPs have an embedded controller that provides print, scan, copy and document server functionality.	Streamlines document processes, saves space (embedded controller) and reduces capital expenditure (controller included in mainframe price).
RP-GL/2, RTIFF and PDF drivers	RP-GL/2, RTIFF and PDF drivers support HP-GL/GL2, HP-RTL, TIFF, JPEG and PDF format.	Easily print standard raster, vector graphics and postscript files.
DWG print option	DWG print option extends support to DWG, DXF and DWF format.	Print native AutoCAD files.

Document Server

Feature	Advantage	Benefit
Document Server	A 320 GB hard disk drive provides document server functionality. Documents saved to the document server can be printed on demand or shared via a URL.	Printing on demand and sharing documents electronically reduces waste and cuts print expenditure.
Document preview	Scanned documents can be previewed on the operation panel before they forwarded to another user.	Reduces errors and ensures information is shared effectively.
USB/SD card reader	The USB/SD card reader enables wide format documents to be printed from and scanned to USB/SD card media.	Improves accessibility as wide format documents can be printed from or saved to portable electronic media.

Security

Feature	Advantage	Benefit
Encryption	To protect document security, scanned documents can be encrypted and password protected.	Protects document security.
Data Overwrite Security (option)	Data written temporarily to the hard drive can be overwritten up to nine times, protecting data should the hard drive be stolen.	Protects data security.

Job Management

Feature	Advantage	Benefit
Job management (via operation panel and WebImageMonitor)	Administrative tasks, such as changing the print queue and deleting jobs can be conducted via the operation panel or using Web Image Monitor.	Simplifies job management.
Force print	Paper size optimisation (auto image rotation and best fit roll selection) ensures that production doesn't stop in the event of a paper size mismatch.	Enables productive non-stop operation during high volume printing.

Paper Handling

Feature	Advantage	Benefit
Two-roll paper station	MP W7100SP and MP W8140SP can hold two different media formats on line. With A0 media (840mm wide) and A2 media (420mm wide) pre-loaded, the MFPs can produce A0, A1, A2 and A3 documents without waste and without need to stop production and change media.	Eliminates waste and saves time, improving productivity.
Single sheet bypass	The bypass feed has flat paper path and supports media of 51-134 gsm.	Print and copy onto pre-cut thick media, such as display card.
Optional 3rd / 4th roll feed	With the optional 3rd / 4th roll feed attached, MP W7100SP and MP W8140SP can hold four media rolls online ready for use.	Improves productivity.
Optional 2 x 250 sheet cassette	Automatically feeds pre-cut media of A2, A3 or A4 size.	Proof documents without wasting paper and reduce large format plans in a single step to more manageable smaller formats.
Optional single-station multi-stacker	Attaches to the front or the back of the machine to receive copy sets.	Simplifies document handling as copy sets are delivered flat.
Optional dual-station multi-stacker	Attaches to the back of the machine to receive sets of originals and copies.	Simplifies document handling and protects originals as original documents and copy sets are delivered flat.
Optional RFG online folding system	Online finishing system which fan and cross folds documents ready for distribution.	Reduces manual labour, improving and reducing production costs.

9. Specifications

Technology		
Configuration		Console
Copying/Printing Process		Electro-photographic printing
Photo-conductor		OPC drum 970mm x 80mm
Drum yield		30K meter (98.4K ft)
Charge system		Scorotron (corona charge)
Imaging lens		SELFOC lens
Development system		Magnetic brushDual component dry toner system
Fusing	Method	Heat and pressure
	Roller materials	Heat roller : TeflonPressure roller : Silicone rubber
	Fuse oil	Use little
Cleaning system		Counter blade
Memory		Std: 2.5GB
PM cycle		10.0km(16.84K sheets/A1)

Basic Specifications		
Resolution		600 dpi default
Gray Scale	Scanning	256 levels
	Writing	2 levels
Original	feed	Sheet
	Set position	Center
	Scanning method	CIS
	Scanning speed	42.5- 340mm/s
	Maximum Scan size	MP W7100SP: (Metric) 914.4mm x 15,000mm (Inches) 36" x 590"
		MP W8140SP: (Metric) 914.4mm x 30,000mm (Inches) 36" x 1180"
	Minimum Scan size	(Metric) 210mm x 210mm (Inches) 8.5" x 8.5"
	Original width	(Metric) 210 / 257 / 297 / 364 / 420 / 440 / 490 / 515 / 594 / 620 / 625/ 680 / 707 / 728 / 841 / 880 /914.4mm (Inches) 8.5" / 9" / 11" / 12" / 17"/ 18"
	Max. width	Metric : Up to 914.4mm, Inches : Up to 36"
	Max Length	MP W7100SP: Metric : Up to 15,000mm Inches : Up to 590" (49.2ft)
		MP W8140SP: Metric : Up to 30,000mm Inches : Up to 1180" (98.4ft)
	Paper output	3 ways: Original Rear Exit (Upper)/Original Rear Exit (Straight through)/ Original Upper Exit
	Original Stacker	Original Rear (Upper): Stack 50 Sheets (A1/D),
		Stack Size A4 - A1LEF
		Original Rear (Straight): Stack: 100 Sheets(A2LEF or less), 1 sheet(A1LEF or more)
		Stack Size: A2LEF - A0SEF

Copy	Maximum sizes	(Metrics) MP W7100SP: 914mmx 15,000mm (roll feeder) MP W8140SP: 914mmx 30,000mm (roll feeder) MP W7100SP/MP W8140SP: 914mmx 2,000mm (paper cassette, bypass)
		(Inches) MP W7100SP: 36" x 590" (roll feeder) MP W8140SP: 36" x 1180" (roll feeder) MP W7100SP/MP W8140SP: 36" x 78" (paper cassette, bypass)
	Minimum sizes	(Metrics) 210mm x 210mm (Roll feeder, Paper cassette, Bypass)
		(Inches) 8.5" x 8.5" (Roll feeder, Paper cassette, Bypass)
	Paper width	(Metrics) 210 / 257/ 297 / 364 / 420 / 440 / 490 / 515 /594 / 620 / 625 /660 680 /707 / 728 / 800 / 841 /880 / 914.4 mm
		(Inches) 8.5" / 11" / 17" / 22" / 30" / 34"/ 9" / 12" / 18" / 24" / 30" / 36"
	Speed	MP W7100SP: 120mm/sec 10cpm/ppm @ A1/D LEF
		MP W8140SP: 170mm/sec 14cpm/ppm @ A1/D LEF
	Paper feed	3 ways: Original Rear Exit (Upper)/Original Rear Exit (Straight through)/ Original Upper Exit
	Reproduction ratio	1:1
	Reduce/Enlargement	Zoom : 25% to 400% by 0.1% step
	Original	Text, Drawing, Text/Photo, Photo, Ruled Line Elimination, Patched Original, Generation Copy, Generation Original, Highlighter Pen
	Image density	Auto 9 steps, Manual 9 steps
	Warm up time	Less than 120 seconds (23 degrees Celsius)
	First Copy Time	10 sec @ A1/D LEF (Roll Feeder) :Be-MP W8140SP
		13 sec @ A1/D LEF (Roll Feeder) :Be-MP W7100SP
	Number of repeat copy	1 to 99 (ten key input)
Paper feeding capacity	2 Roll Feeder (Standard)	2 roll papers Width : 210mm - 914mm
		Max length: 150,000mm / Max diameter: 175mm
	2 Roll Feeder (Option)	2 roll papers Width : 210mm - 914mm
		Max length: 150,000mm / Max diameter: 175mm
	Paper cassette (option)	250 sheets×2 (64 - 110g/m2)
	Bypass feed (standard)	1 sheet
Paper output capacity	Inner	99 sheets @ A1/D LEF (plain paper) (Larger than A1/D size cannot be stacked.)
		10 sheet @ A1/D LEF (application paper)
		1 sheet /film
	Rear	10 sheets @ A1/D Portrait, A0/E SEF (plain paper)(Smaller than A2/C size cannot be stacked)
		1sheet @ A1/D Portrait , A0/E SEF (application paper)
		1sheet @ film
Paper cut method		Preset size cut / Synchronized cut / Variable cut
HDD		320GB (Shared with Copy/Printer/Scanner applications)

Power Source	MP W7100SP	208V-240V 15A (max), 60HZ NA
		220V-240V 16A (max), 50/60Hz EMEA/AP/China
	MP W8140SP	208V-240V 15A (max), 60HZ NA
		220V-240V 16A (max), 50/60Hz EMEA/AP/China
Max. power Consumption	MP W7100SP	NA : 2.4kW
		EU : 2.1kW
	MP W8140SP	NA : 3.5kW
		EU : 3.0kW
Dimensions		1250×755×1215mm (W×D×H)

Copier Specifications	
Copy mode	Text mode, Text/Photo mode, Photo mode, Drawing mode, Generation Text mode, Generation Photo mode, Pasted Original mode, Background Line mode, Highlighter mode
Paper selection	Auto Paper Selection(APS)
	1st roll tray (Available when roll feeder option is installed)
	2nd roll tray (only available when 2 roll feeder option is installed)
	A2 cut sheet tray (option)
	Bypass Tray
Interrupt job	Standard
Document Box	Storage: 3,000 pages
	Document: 3,000
	(Max 1,000 page/document)
Reduce / Enlargement	Auto Reduce/Enlargement
	User Auto Reduce/Enlargement
	Preset Reduce/Enlargement
	Zoom
	Size Magnification
	Directional Magnification (%)
	Directional Size Magnification (mm/inch)
	Fine Magnification
Image Editing	Image Overlay
	Format Overlay
	Negative / Positive
	Mirroring
	Double Copy
	Repeat Copy
Image shift	Front / Rear / Left / Right : 0-+/-200mm by 1mm
Margin adjustment	0 to +200mm (by 1mm step)
Erase	edge: 3-50mm
	inside: 5 areas, A0 or less
	outside: 1 area, A0 or less
Stamp	Preset stamps: 8 stamps
	Position: Upper Right, Upper Center, Upper Left, Center Right, Center, Center Left, Lower Right, Lower Center, Lower Left
	User preset stamps: Max 40 stamps
	Position: Upper Right, Upper Center, Upper Left, Center Right, Center, Center Left, Lower Right, Lower Center, Lower Left
	Date stamp

		Position: Upper Right, Upper Center, Upper Left, Lower Right, Lower Center, Lower Left
		Page stamp
		Position: Upper Right, Upper Center, Upper Left, Lower Right, Lower Center, Lower Left
Preset job	Standard Size	# of pages available for preset job
	A0/E	100 or more
	A1/D	100 or more
	A2/C	200 or more
	A3/B	400 or more
	A4/A	400 or more
Empty Information		Yes: Roll 5 degrees, Cassette 3 degrees
Emergency Stop		Standard : Key
Non-standard Size Input		Yes
Original Insertion Direction		Yes
Designated width scan		Yes
Half Speed Scan		Yes
Sample copy		1st set of job out of multiple set of jobs will be printed.
Partial copy		210mm to 30,000mm length can be defined as partial
Additional copy		NO. (Please use document server function for additional copy.)
Combine		Standard [2in1/4in1/8in1] up to A2/C size
Clear		Standard : Clear/Stop key
Copy Auto clear		Standard
Auto off		Standard
Energy saver		Standard: Energy saver key
Auto energy save mode		Standard
Reset		Standard: Reset key
Auto Start		Standard
User code		Standard
Key Operator code		Standard
Limitless paper feeding		Only Roll feeder. Not with cassette option.
Display of Paper type		Standard
Electric Sort	Format	Pages available for preset job
	A0/E	100 or more
	A1/D	100 or more
	A2/C	200 or more
	A3/B	400 or more
	A4/A	400 or more
	*Electric sort is not available for custom sizes:880, 800, 707, 680, 660, 625, 620, 490, 440mm	

Printer Specifications	
Controller Board	Embedded
Controller CPU	Calpella (1.06GHz)
Print Speed	MP W7100SP: 5ppm @A0/E SEF, 10ppm @A1/D LEF
	MP W8140SP: 7ppm @A0/E SEF, 14ppm @A1/D LEF
Print Language/Resolution	RPCS (Emulation)	600dpi
	PS3/PDF	600/300dpi
	RP-GL/GL2	600dpi/400dpi

RTIFF		600/400/300/200dpi
RAM		2.5GB
HDD		320GB (Copy/Scanner/Printer)
IC card slot		No
Interface slot	Option Slot	2 slots
	USB-Host Slot	USB 2.0 host
File Format Converter		Standard
Supported printer language		PostScript Level3(PDF), RPCS,
		Emulation: HP-GL, HP-GL/2(HP-RTL), TIFF(CALS),
Fonts	PS	European 136 fonts
Interface	Standard	100/10base-TX, USB2.0
	Option	IEEE802.11a/b/g/n(wireless),
Network Protocol		TCP/IP(IPv4, IPv6), IPX/SPX(option),
		Auto switching available
MIB	Standard MIB	MIB-II(RFC1213),
		Host Resource(RFC1514),
		Printer Mib(RFC1759)
		SNMPv3 (RFC2574)
	Private MIB	Ricoh private MIB
Operating Systems	PS driver	Windows XP/Vista/7/8/8.1/2003server/2008server/2008R2server/
		2012server/2012serverR2
		Mac OS (later than Mac OS10.7)
Supported Languages		English, Brazilian Portuguese, Danish, Dutch, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Romanian, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish

Scanner Specifications		
Optical Resolution:		Scan to email/folder: 150 / 200* / 300 / 400 / 600 dpi, *Default Twain: 150-1,200dpi
Scan Mode		Mono : Drawing mode (Default), Text mode, Text/Photo mode, Text/Drawing mode, Photo mode, Gray scale
		Color : Text/Photo mode, Photo,
Scan Speed		42.5- 340mm/s (600dpi)
Scan detection		Auto Detect, Preset Paper size, Custom size
Network Interface:		Standard: Ethernet 10/100BaseTX
		Option: Wireless LAN (802.11a/b/g/n)
Protocol		Network: TCP/IP
		Sending E-mail: SMTP AUTH, POP before SMTP
		Scan to Folder: SMB, FTP, NCP
Image Density		Lighter to Darker: 9 Levels
Edit		Erase boarder, Positive/Negative, Mirror Image
Bundled Scanner driver		Network Twain Driver

Scan to E-mail		
Compression Method	1 bit	MH,MR,MMR(default) It can be changed in SP mode
	JPEG	YES (Compression default)
	High Compression	No

Requirement		SMTP (Mail Server) Gateway and TCP/IP
Authorization function		SMTP authentication POP before SMTP authentication
Resolution:		150dpi, 200dpi (Default), 300dpi, 400dpi, 600dpi
MAX E-mail address#		2000 addresses
Register Group address:		Max: 100 groups
Maintain E-mail address:		Direct input on operation panel, "Web Image Monitor", and "Smart Device Monitor for Admin" are available.
Address Search	Mainframe Address Book	E-mail address search available Folder address search available
	LDAP	E-mail Address search available
Number of Destination		500
Attention		To, cc, bcc
Body Message	Manual Input	Yes
	Pre-register by user	No
	Preset	Message: "This e-mail included attached file sent from xxxx (machine model name)."
E-mail Size (with restriction):		128 -102,400KB, Default = 2,048KB
File type		Multi Page TIFF (Default), Multi Page PDF, Single Page TIFF
		Single Page PDF, Single Page JPEG, High compression PDF, PDF/A
PDF Security Setting		Yes
Program User Setting:		Yes
Divide and send e-mail:		Yes

*1: If the sent file size exceeded the maximum E-mail size, it would be divided to multiple sending. In addition, the sent files might not be accepted by the receiving side due to the limitation in the receiving capacity at the receiver SMTP server or E-mail software setting.

Scan to Folder	
Protocol Support	SMB (Server Message Block), FTP (File Transfer Protocol), NCP
Security	Client folder log-in (log-in name and password)Encryption of log-in name and password during transmission
Resolution	150dpi, 200dpi (Default), 300dpi, 400dpi, 600dpi
Register client folder address	Max. 2000 folders
Maintain client folder address	Direct input on operation panel, Web Image Monitor, Smart Device Monitor for Admin
Destination client folder address input via operation panel:	Yes SMB: Network path -> Client folder -> Password FTB: Server -> Network path -> User account -> Password
Search client folder	SMB: Browsing directly to the designated folders
	FTP: By client folder name
Max. client folder numbers per send	Max. 50 client folders / PCs per send
Destination Combination	Yes
Group address	Max. 100 destinations (To Folder: 50, To E-mail: 100) (*1)e.g. 100 destinations 50 folders included >>>OK
	100 destinations 51 folders included>>>Failure
Input Subject	No
Scan File Size:	Up to 2000MB
File Size when combined Scan to Folder & Scan to E-mail:	128 - 45,389KB, Default = 2,048KB (With restriction)
	(Scan to E-mail file size applied).

File type	Multi Page TIFF (Default), Multi Page PDF, Single Page TIFF, Single Page PDF, Single Page JPEG, High compression PDF, PDF/A
PDF Security Setting	Yes
Program User Setting	Yes
Resend	Yes

(*1) User can send to Max. 100 destinations in the same group. But the number of folders has to be less than 50, since Max. folders destinations are 50. If there are more than 50 folder destinations registered in the Group address, a message pops up.

Network TWAIN Driver	
Resolution	150 - 1200dpi by 1dpi step
Scan size	Please see mainframe spec
Memory	Minimum required memory for OS + 8MB
CPU	Pentium 150MHz or more, or minimum required CPU for OS
HDD	More than 100MB of disk space is required.
Network	Protocol: TCP/IP, UDP/IP, ICMP/IP

10. Service and Supplies

MP W7100SP and MP W8140SP should be sold with a full service agreement. A Ricoh full service agreement covers all parts and labour, and maintenance is carried out by trained service technicians. By offering a full service agreement, we can differentiate ourselves from competitors offering 'care pack' extended warranties that do not cover all components and which are often fulfilled by third party maintenance providers.

A meter records each decimetre (1/10th of a meter) printed by the wide format MFP. The meter allows for prints and copies to be billed as consumed. According to local market conditions toner may either be included as part of a metered service agreement or charged for separately as a consumable item. Sales people should refer to service or sales management for service pricing and to confirm whether toner is included within the service contract.

Metered billing offers the following customer advantages:
- Full service provision
- Dedicated national/international service operation
- Remote monitoring and diagnostics (@Remote)
- Telephone and field support
- Low pre-agreed page cost
- Transparent all-inclusive price

The new machines are extremely reliable. MP W7100SP has a maximum recommended print volume of 6,500 metres a month (10,940 A1 prints) and is targeted at customers with an average print volume of 1,200 metres a month (2,020 A1 copies).

MP W8140SP has a maximum recommended print volume of 16,660 metres a month (28,040 A1 prints) and is targeted at customers with an average print volume of 2,500 metres a month (4,210 A1 copies).

MP W7100SP and MP W8140SP support @Remote. Using @ Remote, the wide format MFPs can be monitored in real-time, with the Ricoh service operation able to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Service and supply specifications are provided below:

Service and Supply Specifications		
Model	MP W7100SP	MP W8140SP
Toner yield	6,000 copies @ A1/D, Ricoh 6% chart /cartridge (800g)	
Developer yield	138,000 copies @A1/D LEF, Ricoh 6% chart / 1.0kg x 2bags (2.0kg)	
Photoconductor yield	30,000 linear metres	
Print Volume APV	1,200 linear metres or 2,020 A1 prints	2,500 linear metres or 4,210 A1 prints
Print Volume MPV	6,500 linear metres or 10,940 A1 prints	16,660 linear metres or 28,040 A1 prints
Maintenance PM cycle	10,000 linear metres or 16,840 A1 prints	
Maintenance MCBC	3,400 linear metres or 5,730 A1 prints	
Machine life	1,683,000 A1 prints or 5 years, whichever comes first	

11. Competition

Five Star Advantages

We have compared the specifications of the new products against the specifications of their closest competitors, identifying five star advantages against each.

Data was obtained from the web and from brochures. Whilst care was taken to ensure that information is accurate, no liability will be accepted for errors and omissions.

| MP W7000SP | versus | KIP 7770 |
| ★★★★★ | | Oce PlotWave 750 |

MP W8140SP	versus	KIP 7970
★★★★★		KIP 9900
		Oce PlotWave 900

OCE PlotWave 900

KIP 7970

Ricoh MP W7140SP/W8100SP

Model	Ricoh MP W7100SP	KIP 7770	Advantages
Physical			
Type	Single console MFP	Single console MFP	
System Memory	2.5GB RAM, 320GB HD	2 GB RAM	Latest technology including GWNX controller
Introduced	2015	2013	
Weight	230 kg	395 kg	
Dimensions (HxWxD)	1,200 mm x 1,250 mm x 755 mm	1,670 mm x 1,702 mm x 725 mm	Compact design saves valuable space ⭐
Functionality			
Printer	Std	Std	
Copier	Std	Std	
Scanner	Std (colour)	Std (colour)	
Document Server	Std	No	Store documents locally and print them on demand ⭐
User Interface	Colour touchscreen	Colour touchscreen	
Productivity			
Warm-up Time	2 min	4 min	Ready sooner, saving time
First Copy (A1)	10 sec	11 sec	
Multicopy (A1)	10 ppm	8.4 ppm	19% faster/more productive ⭐
Paper Supply			
Paper Capacity (std/max)	2 / 4 rolls	2 / 4 rolls	
Paper Weights	52 to 110 gsm	64 to 90 gsm	Handles heavier weight media
Bypass Capacity	1 sheet	1 sheet	
Max Output Size	915mm x 15m	914mm x 6m	Produce longer continuous plots
Printing			
Network Interface	Gigabit Ethernet (std)	Std Ethernet	High bandwidth interface for faster communication
USB Interface	Std 2.0, opt 1.1 (host)	Std 2.0 (host)	
PDL	RP-GL/2, RTIFF, PS3 (std) / DWG (opt)	HP-GL, HP-GL/2, HP-RTL, opt PS3	PostScript printing included as standard ⭐
Resolution	600 x 600 dpi	600 x 600 dpi	
Scanning			
Scanning Speed	42.5 - 340 mm / second	9 mm - 31 mm / minute	
Connection Type	Network	Direct	
TWAIN Compatible	Yes	No	Initiate scanning using scanning software on PC/Mac
LDAP Support	Yes	No	Uploads email addresses from LDAP server
Scan Destinations			
E-mail	Yes	Yes	
FTP	Yes	Yes	
SMB	Yes	Yes	
HDD	Yes	Yes	
URL	Yes	No	Remote web access to stored documents
Security			
Network User Authentication	Yes	Yes	
HDD Overwrite	Opt	Info not avail	Overwrites and protects data written to hard drive
HDD Encryption	Std	Info not avail	Encrypts and protects files saved to hard drive
Secure Print	Std	Yes	
Copying			
Zoom Range	25 to 400 (0.1%)	INA	Supports singe-step reduction from A0 to A4 ⭐
Image Rotate	Std	INA	
Neg/Pos	Yes	INA	Reverse blueprints to make them more legible
Stamping	Std	INA	Clearly identify copies using an automatic stamp
Options	Roll Unit (third-/fourth-roll feed)	Paper drawer two roll media	
	Paper Cassette (two-draw cassette)	KIPFold 1000 Folding unit	
	Roll Holder Unit	KIPFold 2000 Folding unit	
	Original Hanger	KIP 1200 Stacker	
	Original Tray Type	Tray front stacking	
	Rear Stacker (single-station stacker)	Tray high capacity	
	Rear Stacker (dual-station stacker)	Tray original stacking rear	
	RFG (third-party) folder	Common access card (CAC)	
	Browser Unit	HDD kit secure removable	
	OCR Unit	Voltage regulator	
	NetWare Printing	PostScript and PDF printing	
	TotalFlow PrintCopyTool		
	PrintCopyTool Option Type D2015		
	DWG Printing		
	Wireless Interface		
	DataOverWrite security		

Model	Ricoh MP W8140SP	KIP 7970	Advantages
Physical			
Type	Single console MFP	Single console MFP	
System Memory	2.5GB RAM, 320GB HD	2 GB RAM	Latest technology including GWNX controller
Introduced	2014	2013	
Weight	230 kg	395 kg	
Dimensions (HxWxD)	1,200 mm x 1,250 mm x 755 mm	1,670 mm x 1,702 mm x 725 mm	Compact design saves valuable space ⭐
Functionality			
Printer	Std	Std	
Copier	Std	Std	
Scanner	Std (colour)	Std (colour)	
Document Server	Std	No	Store documents locally and print them on demand ⭐
User Interface	Colour touchscreen	Colour touchscreen	
Productivity			
Warm-up Time	2 min	4 min	Ready sooner, saving time
First Copy (A1)	10 sec	8 sec	
Multicopy (A1)	14 ppm	11.4 ppm	31% faster/more productive ⭐
Paper Supply			
Paper Capacity (std/max)	2 / 4 rolls	4 / 4 rolls	
Paper Weights	52 to 110 gsm	64 to 90 gsm	Handles heavier weight media
Bypass Capacity	1 sheet	1 sheet	
Max Output Size	915mm x 30m	914mm x 6m	Produce longer continuous plots
Printing			
Network Interface	Gigabit Ethernet (std)	Std Ethernet	High bandwidth interface for faster communication
USB Interface	Std 2.0, opt 1.1 (host)	Std 2.0 (host)	
PDL	RPCS, PS3, HP-GL/2, TIFF(CALS)	HP-GL, HP-GL/2, HP-RTL, opt PS3	PostScript printing included as standard ⭐
Resolution	600 x 600 dpi	600 x 600 dpi	
Scanning			
Scanning Speed	42.5 - 340 mm / second	9 mm - 31 mm / minute	
Connection Type	Network	Direct	
TWAIN Compatible	Yes	No	Initiate scanning using scanning software on PC/Mac
LDAP Support	Yes	No	Uploads email addresses from LDAP server
Scan Destinations			
E-mail	Yes	Yes	
FTP	Yes	Yes	
SMB	Yes	Yes	
HDD	Yes	Yes	
URL	Yes	No	Remote web access to stored documents
Security			
Network User Authentication	Yes	Yes	
HDD Overwrite	Opt	Info not avail	Overwrites and protects data written to hard drive
HDD Encryption	Std	Info not avail	Encrypts and protects files saved to hard drive
Secure Print	Std	Yes	
Copying			
Zoom Range	25 to 400 (0.1%)	INA	Supports singe-step reduction from A0 to A4 ⭐
Image Rotate	Std	INA	
Neg/Pos	Yes	INA	Reverse blueprints to make them more legible
Stamping	Std	INA	Clearly identify copies using an automatic stamp
Options	Scanner Separation Kit	KIPFold 1000 Folding unit	
	Roll Unit (third-/fourth-roll feed)	KIPFold 2000 Folding unit	
	Paper Cassette (two-draw cassette)	KIP 1200 Stacker	
	Roll Holder Unit	Tray front stacking	
	Original Hanger	Tray high capacity	
	Original Tray Type	Tray original stacking rear for scanner	
	Rear Stacker (single-station stacker)	Common access card (CAC)	
	Rear Stacker (dual-station stacker)	HDD kit secure removable	
	RFG (third-party) folder	Voltage regulator	
	Browser Unit	PostScript and PDF printing	
	OCR Unit		
	NetWare Printing		
	TotalFlow PrintCopyTool		
	PrintCopyTool Option Type D2015		
	DWG Printing		
	Wireless Interface		
	DataOverWrite security		

Model	Ricoh MP W8140SP	KIP 9900	Advantages
Physical			
Type	Single console MFP	Single console MFP	
System Memory	2.5GB RAM, 320GB HD	1 GB RAM	
Introduced	2014	2010	Latest technology including GWNX controller
Weight	230 kg	399.6 kg	
Dimensions (HxWxD)	1,200 mm x 1,250 mm x 755 mm	1033.8 mm x 1346.2 mm x 990.6 mm	Compact design saves valuable space ⭐
Functionality			
Printer	Std	Std	
Copier	Std	Std	
Scanner	Std (colour)	Std	
Document Server	Std	No	Store documents locally and print them on demand ⭐
User Interface	Colour touchscreen	Touch screen	Colour touchscreen simplifies operation
Productivity			
Warm-up Time	2 min	6 min	Ready sooner, saving time
First Copy (A1)	10 sec	Info not avail	
Multicopy (A1)	14 ppm	20.5 ppm	
Paper Supply			
Paper Capacity (std/max)	2 / 4 rolls	4 / 4 rolls	
Paper Weights	52 to 110 gsm	68 to 120 gsm	
Bypass Capacity	1 sheet	50 sheet	
Max Output Size	915mm x 30m	914mm x 6m	Produce longer continuous plots
Printing			
Network Interface	Gigabit Ethernet (std)	Info not avail	High bandwidth interface for faster communication
USB Interface	Std 2.0, opt 1.1 (host)	Std 2.0	
PDL	RPCS, PS3, HP-GL/2, TIFF(CALS)	HP-GL, HP-GL/2, HP-RTL, opt PS3	PostScript printing included as standard ⭐
Resolution	600 x 600 dpi	600 x 1800 dpi	
Scanning			
Scanning Speed	42.5 - 340 mm / second	10.82 m per minute	
Connection Type	Network	Direct	
TWAIN Compatible	Yes	No	Initiate scanning using scanning software on PC/Mac ⭐
LDAP Support	Yes	No	Uploads email addresses from LDAP server
Scan Destinations			
E-mail	Yes	Yes	
FTP	Yes	Yes	
SMB	Yes	Yes	
HDD	Yes	Yes	
URL	Yes	No	Remote web access to stored documents
Security			
Network User Authentication	Yes	Info not avail	
HDD Overwrite	Opt	Info not avail	Overwrites and protects data written to hard drive
HDD Encryption	Std	Info not avail	Encrypts and protects files saved to hard drive
Secure Print	Std	Info not avail	
Copying			
Zoom Range	25 to 400 (0.1%)	INA	Supports singe-step reduction from A0 to A4 ⭐
Image Rotate	Std	INA	
Neg/Pos	Yes	INA	Reverse blueprints to make them more legible
Stamping	Std	INA	Clearly identify copies using an automatic stamp
Options	Scanner Separation Kit	KIPFold 9900 Folding unit	
	Roll Unit (third-/fourth-roll feed)	KIP 1200 Stacker	
	Paper Cassette (two-draw cassette)	Media kit removable USB	
	Roll Holder Unit	Common access card (CAC)	
	Original Hanger	HDD kit secure	
	Original Tray Type	Voltage regulator	
	Rear Stacker (single-station stacker)	Additional inkjet driver for KIP Color	
	Rear Stacker (dual-station stacker)	Color Advanced copy and print to inkjet	
	RFG (third-party) folder	PostScript and PDF printing	
	Browser Unit		
	OCR Unit		
	NetWare Printing		
	TotalFlow PrintCopyTool		
	PrintCopyTool Option Type D2015		
	DWG Printing		
	Wireless Interface		
	DataOverWrite security		

Model	Ricoh MP W7100SP	Oce PlotWave 750	Advantages
Physical			
Type	Single console MFP	Two-station printer/scanner	Single console design with integrated scanner/copier ⭐
System Memory	2.5GB RAM, 320GB HD	2 GB RAM, 1TB HD	
Introduced	2015	2013	Latest technology including GWNX controller
Weight	230 kg	290 kg	
Dimensions (HxWxD)	1,200 mm x 1,250 mm x 755 mm	1475 mm x 1440 mm x 800 mm	Compact design saves valuable space ⭐
Functionality			
Printer	Std	Std	
Copier	Std	Opt	Copying functionality included in mainframe price ⭐
Scanner	Std (colour)	Opt (colour)	Scanning functionality included in mainframe price ⭐
Document Server	Std	Std	
User Interface	Colour touchscreen	Touch screen	Colour touchscreen simplifies operation
Productivity			
Warm-up Time	2 min	Info not avail	
First Copy (A1)	10 sec	Info not avail	
Multicopy (A1)	10 ppm	9 ppm	11% faster/more productive ⭐
Paper Supply			
Paper Capacity (std/max)	2 / 4 rolls	2 / 6 rolls	
Paper Weights	52 to 110 gsm	75 to 100 gsm	Handles heavier weight media
Bypass Capacity	1 sheet	1 sheet	
Max Output Size	915mm x 15m	914 mm x 20m	
Printing			
Network Interface	Gigabit Ethernet (std)	Std Ethernet	High bandwidth interface for faster communication
USB Interface	Std 2.0, opt 1.1 (host)	None	Scan to and print from USB/SD card media
PDL	RP-GL/2, RTIFF, PS3 (std) / DWG (opt)	Opt Adobe PS3	PostScript printing included as standard
Resolution	600 x 600 dpi	600 x 1200 dpi	
Scanning			
Scanning Speed	42.5 - 340 mm / second	4 - 9.7 m / min	
Connection Type	Network	Network	
TWAIN Compatible	Yes	Info not avail	Initiate scanning using scanning software on PC/Mac
LDAP Support	Yes	Info not avail	Uploads email addresses from LDAP server
Scan Destinations			
E-mail	Yes	No	Share hardcopy document more easily
FTP	Yes	Yes	
SMB	Yes	Yes	
HDD	Yes	INA	
URL	Yes	No	Remote web access to stored documents
Security			
Network User Authentication	Yes	Info not avail	
HDD Overwrite	Opt	Std	
HDD Encryption	Std	Info not avail	Encrypts and protects files saved to hard drive
Secure Print	Std	Info not avail	
Copying			
Zoom Range	25 to 400 (0.1%)	25 to 400 (0.1%)	
Image Rotate	Std	No	
Neg/Pos	Yes	No	Reverse blueprints to make them more legible
Stamping	Std	No	Clearly identify copies using an automatic stamp
Options	Roll Unit (third-/fourth-roll feed)	Delivery tray	
	Paper Cassette (two-draw cassette)	TDS610 Scanner	
	Roll Holder Unit	TC4 Scanner color	
	Original Hanger	Roll loaders	
	Original Tray Type	Folding unit	
	Rear Stacker (single-station stacker)	Stacker double decker pro	
	Rear Stacker (dual-station stacker)	Adobe PS3 and PDF	
	RFG (third-party) folder	Oce Repro Desk Suite	
	Browser Unit		
	OCR Unit		
	NetWare Printing		
	TotalFlow PrintCopyTool		
	PrintCopyTool Option Type D2015		
	DWG Printing		
	Wireless Interface		
	DataOverWrite security		

Model	Ricoh MP W8140SP	Oce PlotWave 900	Advantages
Physical			
Type	Single console MFP	Two-station printer/scanner	Single console design with integrated scanner/copier ⭐
System Memory	2.5GB RAM, 320GB HD	2 GB RAM, 500GB HD	
Introduced	2014	2012	Latest technology including GWNX controller
Weight	230 kg	180 kg	
Dimensions (HxWxD)	1,200 mm x 1,250 mm x 755 mm	1,430 mm x 1,720 mm x 1,140 mm	Compact design saves valuable space ⭐
Functionality			
Printer	Std	Std	
Copier	Std	Opt	Copying functionality included in mainframe price ⭐
Scanner	Std (colour)	Opt	Scanning functionality included in mainframe price ⭐
Document Server	Std	Std	
User Interface	Colour touchscreen	Keypad	Colour touchscreen simplifies operation
Productivity			
Warm-up Time	2 min	15 min	
First Copy (A1)	10 sec	Info not avail	
Multicopy (A1)	14 ppm	11.4 ppm	31% faster/more productive ⭐
Paper Supply			
Paper Capacity (std/max)	2 / 4 rolls	4 / 6 rolls	
Paper Weights	52 to 110 gsm	64 to 110 gsm	
Bypass Capacity	1 sheet	1 sheet	
Max Output Size	915mm x 30m	914 mm x 20m	Produce longer continuous plots
Printing			
Network Interface	Gigabit Ethernet (std)	Std Ethernet	High bandwidth interface for faster communication
USB Interface	Std 2.0, opt 1.1 (host)	None	Scan to and print from USB/SD card media
PDL	RPCS, PS3, HP-GL/2, TIFF(CALS)	Opt Adobe PS3	PostScript printing included as standard
Resolution	600 x 600 dpi	600 x 1200 dpi	
Scanning			
Scanning Speed	42.5 - 340mm/second	10 m per min/1 orig	
Connection Type	Network	Network	
TWAIN Compatible	Yes	Info not avail	Initiate scanning using scanning software on PC/Mac
LDAP Support	Yes	Info not avail	Uploads email addresses from LDAP server
Scan Destinations			
E-mail	Yes	No	Share hardcopy document more easily
FTP	Yes	Yes	
SMB	Yes	Yes	
HDD	Yes	INA	
URL	Yes	No	Remote web access to stored documents
Security			
Network User Authentication	Yes	Info not avail	
HDD Overwrite	Opt	Std	
HDD Encryption	Std	Info not avail	Encrypts and protects files saved to hard drive
Secure Print	Std	Info not avail	
Copying			
Zoom Range	25 to 400 (0.1%)	25 to 400 (0.1%)	
Image Rotate	Std	No	
Neg/Pos	Yes	No	Reverse blueprints to make them more legible
Stamping	Std	No	Clearly identify copies using an automatic stamp
Options	Scanner Separation Kit	Delivery tray	
	Roll Unit (third-/fourth-roll feed)	PlotWave 900 Scanner	
	Paper Cassette (two-draw cassette)	TDS600 Scanner	
	Roll Holder Unit	Folding unit	
	Original Hanger	Punch unit	
	Original Tray Type		
	Rear Stacker (single-station stacker)		
	Rear Stacker (dual-station stacker)		
	RFG (third-party) folder		
	Browser Unit		
	OCR Unit		
	NetWare Printing		
	TotalFlow PrintCopyTool		
	PrintCopyTool Option Type D2015		
	DWG Printing		
	Wireless Interface		
	DataOverWrite security		

RICOH
imagine. change.