RICOH

Reliable high volume powerhouse

Pro™ 906EX

The most versatile in-line document finishing options

Fully automate your production workflow

In today's increasingly competitive market, it is imperative to speed up your production while meeting and exceeding your customers' varied demands. Ricoh, leading manufacturer of high volume solutions, makes your job easier with its new Pro™ series. The Pro™906EX is a complete, modular powerhouse designed to handle your high-volume print orders effortlessly. Exceptionally reliable, Ricoh's Pro™906EX offers the most attractive package in its class. Its speed and unique range of finishing functions are guaranteed to make a difference.

- Outstanding simplex and duplex productivity at 90 pages per minute.
- Heavy duty design, built for peak volumes up to 1 million pages per month.
- Up to 9 paper feed stations, all with A3 oversized capability, 8,500-sheet total capacity.
- Superior simplex and duplex registration (less than ± 0.5 mm).
- Full colour scanning at 80 images per minute.
- User-friendly operation via 10.4" easy to use colour LCD panel.
- Simplified display for inexperienced users.
- Impeccable output quality at true 1,200 x 1,200 dpi.
- Widest choice of professional in-line finishing options.

A durable solution for the most versatile demands

In your high demand work environment, you have to be able to rely on your document processor at all times. Ricoh's Pro™ series combines exceptional durability with efficient high volume processing. This user-friendly system also cuts down on user training time. In fact, the Pro™906EX meets all your demands by offering simple solutions to complex jobs.

• Heavy duty design.

• Straightforward operation.

• Enhanced data protection.

Optimum reliability and durability

To become the hub of your business, Ricoh's Pro™906EX boasts the most durable engine in its class. For maximum reliability, maintenance has been reduced by the development of Trained Customer Replaceable Units. With a little training, you can replace machine parts yourself. The results are longer service runs and continuous peak productivity.

Increased security

Ensuring job integrity and protecting the privacy of your clients' data is becoming a necessity. Fully compliant, the Pro™906EX comes with a broad range of optimum security features:

• Limited user access with Windows®/LDAP authentication.

• Secure communication via encryption.

• Safeguarded mission critical information with Data Overwrite Security Unit.

• Unauthorised copy prevention.

Pro™

pro [prəʊ]: *short for professional, relating to a job that requires special training. Something is qualified as professional when it displays great skill and high standards in the activity undertaken.*

Productivity. Professionalism. Progress. *Ricoh puts its extensive expertise in high-end printing at the service of the professional production market. The Pro™ line caters to the quality, speed, reliability, durability and finishing needs of printing professionals. Robust and straightforward in use, Pro™ engines are built to be the beating heart of your business.*

Straightforward operation

The Pro™906EX is designed to make difficult tasks easy. Inexperienced users will appreciate the simplified screen function that gives direct access to the machine's basic features. Ricoh's unique icon-based RPCS™ driver also allows standardisation of frequently used complicated settings under an individual icon. This user-friendly approach ensures that the machine's full potential is quickly mastered by all.

• Smartly designed, intuitive interface.

• Limited number of steps to set or edit print jobs.

• Thumbnail view and preview on document server.

• Versatile edit functions.

• Unique RPCS™ driver: every print job is just one click away.

• Animated procedures to guide you should an irregularity occur.

Addressing your challenges

The Pro™906EX is a unique black & white digital printing solution for printing professionals. Smart and reliable, it is at home in a wide variety of corporate or commercial production environments. Ricoh's Pro™906EX takes an integrated approach to production printing, synchronising all processes to work smoothly with each other.

Educational needs met

As member of a modern educational establishment, you face:
- cost and productivity related targets;
- users with varied experience in operating high volume equipment;
- high demands for quality handouts, study guides and exams.

The Pro™906EX offers you:
- less labour intensive and more user friendly document creation;
- budget friendly production of professionally finished materials.

High office productivity

In your busy office environment, you deal with tight deadlines and varied requests. You simply cannot afford to waste time. The Pro™906EX meets your every demand while:
- quickly handling all reports, booklets and newsletters;
- boasting easy job programming and taking the complexity out of high volume.

CRD efficiency

As reprographic professional you are responsible for the documents that make your company stand out. You have to meet the most diverse requests. With the Pro™906EX you obtain:
- 1,200 x 1,200 dpi image quality and 0.5 mm registration accuracy;
- fast, reliable equipment to keep you up and running.

Commercial print shop power

To increase client satisfaction, you require:
- equipment that both experienced and inexperienced operators can use;
- the ability to hit deadlines and depend on reliable equipment;
- the option to differentiate and stay ahead of the competition.

The Pro™906EX's strengths:
- efficient job storage for on-demand printing and easy job retrieval;
- minimal operator intervention and non-stop operation at 90 ppm;
- professional in-line finishing tools without compromising on speed.

The Pro™906EX redefines high volume.

Complete high volume workflow management

(1) Input made easy

The Pro™906EX deals with high volume input in a straightforward way:

• Easy job programming via colour LCD panel.

• Any print job only one click away with the RPCS™ driver.

• Simplified display for increased accessibility: even inexperienced operators can work quickly with the machine.

• Clear animation guidance in case of irregularities.

(2) High-speed scanning

• Scan colour and black/white mixed originals.

• Scan once, print unlimited.

• Standard colour scanning.
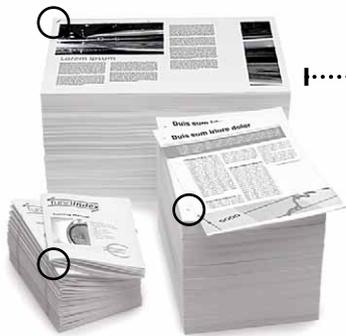
Staple documents of up to 100 sheets.

(10) Web based remote monitoring

Remotely check the device status, manage networked systems and restrict usage if necessary: it can all be done from your desktop using Web SmartDeviceMonitor™ and Web Image Monitor.

(9) Customer specific applications

Featuring the Java™ (J2ME™) compatible Embedded Software Architecture™, Pro™ devices boast unique customisation possibilities. By running specific key applications, you obtain total integration in your business infrastructure.

(8) Effective cost accounting

Cost allocation made transparent. Using the Equitrac Office™ and MicroPress® software, you have the tools to accurately keep track of all print/copy costs and allocate them to the appropriate department/customer.

(3) Professional editing

Efficiently edit and enhance documents using the sophisticated DeskTopEditor For Production option:

• Deskew and despeckle.

• Make changes page by page or in one go for the total job.

• Remove punch holes and grey margin areas, reduce noise.

• Combine files from different sources and formats (and store).

(4) Smart storage

Whether files are electronic, scanned, or a combination of both, all jobs can be stored for print-on-demand. "Stored Print" and "Store and Print" options eliminate reprogramming in case a client orders more copies later. You can also edit stored files without printing.

(5) doc-Q-manager workflow software

• Job ticketing of print jobs.

• Print queue management and variable data printing.

• Job splitting over multiple engines.

(7) Professional in-line finishing

• Stapling, punching and cover insertion.

• Fully automated ring binding.

• Professional booklet making.

• Top quality glue binding with 3 side trimming.

(6) Non-stop performance

• A maximum paper capacity of 8,500 sheets.

• 9 different paper sources and automatic tray switching.

• Load while run convenience for paper, new jobs and toner.

• Impressive output capacity.

• 2 toner bottles for a total of 120,000 A4 pages.

• Duplexing at full engine speed (90 ppm).

Efficient production at a fast pace

As a professional you know your clients expect more in less time. Ricoh's Pro™906EX is a true workhorse that processes at high speed and handles peak loads. Depending on your specific workflow, Ricoh offers a variety of controllers to meet your requirements. You simply pick the controller of your choice: optimum performance guaranteed.

- Amazing productivity.

- Extended print performance via different controllers.

- Advanced transactional printing.

Large input, fast output

- Maximum paper capacity of 8,500 sheets.

- Wide range of paper latitude.

- Less than 360-second warm-up time.

- Duplex printing at the same speed as simplex printing.

- Multi-feed detection & new duplex paper feeding mechanism.

- Tandem copying/printing: non-stop performance.

Embedded controller

With the entry level embedded controller, you have full access to all the Pro™906EX's capabilities without extensive training. Tailored to the needs of your high volume work environment, the controller enables the creation of print jobs in a few quick steps. The Adobe® PostScript® 3™ ensures fast and reliable output.

Extra print performance

Complex print jobs are dealt with in record time by means of the external Fiery® controller EB-135*: Fast ripping of heavy (PDF) files.

- Straightforward printing of genuine Adobe® Postscript® files, complex graphics and variable data output.

- Easy integration into Fiery® workflow of the Pro™906EX.

For maximum productivity, MicroPress® is available*. A very powerful controller and complete workflow solution come in one package. Incorporating advanced scanning, job composition and production printing capabilities, MicroPress® is ideal for on-demand printing.

* For availability, please check with your local supplier.

Advanced connectivity

Ricoh's IPDS Unit Type 1350 makes a separate IPDS print box or server superfluous. This cost-effective option enables your Pro™906EX to print IBM® host documents containing text, images, graphic and/or barcodes with page by page control and error recovery. Benefit from your Pro™ powerhouse's functionalities in combination with IPDS, PS, PCL and PDF formats.

Our definition of quality is yours

Digital quality redefined

Your clients expect crisp, sharp text and high quality graphics in their next generation documents. The Pro™906EX delivers down to the last dot and line with high quality on-demand efficiency. You can now achieve a new level of service with every monochrome document you produce.

Unrivalled 1,200 x 1,200 dpi quality

Designed with Ricoh's 2 x 4-beam laser technology, the Pro™906EX produces high quality output with a real 1,200 x 1,200 dpi resolution. Originals are scanned only once, stored into memory and reproduced from there, as often as you want. As a result, your output always lives up to the highest standards no matter how many sets you make.

Superior simplex & duplex registration

- Consistently accurate images and unsurpassed registration at 0.5 mm.
- Adjust the registration in 0.1 mm steps for printing on non-DIN compliant formats.

DeskTopEditor For Production

Ricoh's entry-level editing solution allows you to edit, despeckle, and deskew files page by page or integrally. Combine paper and electronic documents and save or print them as one document.

doc-Q-manager

This entry-level workflow solution offers powerful features like ticketing, queue management, job splitting, and merging variable data with pre-formatted documents. For optimised print costs, expand this software solution to re-rout print jobs to the most efficient output device.

You want your workflow taken through each step as quickly and efficiently as possible while maintaining the highest levels of quality. The Pro™906EX allows you to meet your customers' most stringent requirements. Page by page, pixel by pixel for text, photos, line drawings or any mixture.

- Impressive reproduction of thin lines and dots.
- Smoother halftone gradations.
- Impressively sharp copies and printouts.
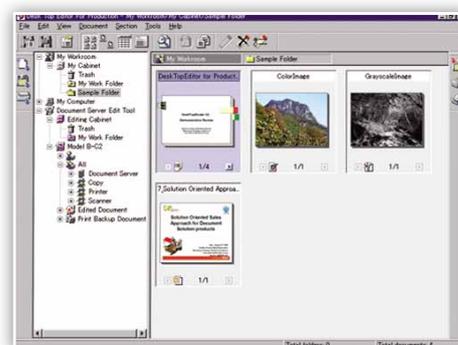
DeskTopEditor For Production.

Exceptional black and white image quality.

The most versatile in-line finishing gamut

Finishing is in all probability the most labour-intensive part of your document production process. It no longer has to be. Ricoh's Pro™906EX possesses a unique array of finishing options that take the extra work out of your hands. Offer your clients a wealth of new value-added print products. Meet and exceed their highest demands, and enhance your business growth opportunities.

- A variety of finishing options unmatched at this end of the market.

- Eye-catching booklet making & advanced cover insertion.

- Possibility to combine almost all types of finishing in one machine.

A wealth of finishing options
Clients expect first class presentation materials, professional reports and great-looking brochures. Create the application you need, when and where you want it, with the Pro™906EX's robust 3,000-sheet finisher with 100-sheet stapler. With the optional punch unit you save time and omit the need for expensive pre-punch paper. The BK5000 saddle stitch unit delivers cost-effective finishing of internal documents.

Automatic booklet creation
Impress your clients with professional-looking booklets. The SR5010e booklet maker produces accurate and sharp folded A5 and A4 sets. This solution speeds up the production of leaflets, brochures, catalogues and other marketing, sales and training materials. Usable in-line and offline, it automatically folds and saddle-stitches booklets of up to 120 pages. The optional trimmer makes for a truly professional finish.

In-line book folding
The square-back booklets automatically created on the BF5010 have the same look and feel as perfectly bound books. The cost: a fraction of the price of other in-line finishings.

Advanced Z-folding
Including A3 charts and tables in an A4 presentation is straightforward. The handy Z-folder unit automatically folds A3 sheets into A4 output, or A4 documents into A5. Larger sheets now become a natural part of smaller-sized sets. Creative answers to challenging jobs.

Professional cover insertion
To brighten high-value documents, insert a full colour or pre-printed front and back cover using the double cover interposer. The perfect choice to create product catalogues, user manuals and brochures with a lasting impression. If required, the interposer can also be used to insert pages anywhere else in your documents.

Via the Z-fold option you can smoothly insert A3 charts and tables into an A4 document.

Providing unique added value through finishing

Ready-to-bind documents

Forget about manually punching documents offline and hand-loading each individual set into a table top punch. The GBC StreamPunch™ III unit produces perfectly punched and ready-to-bind documents at the touch of a button. Its operation does not compromise the output speed of the Pro™906EX.

Fully automated ring binding

Tedious and time-consuming manual finishing of ring-bound sets is a thing of the past. Ricoh's Pro™ series boasts the industry's first fully automated ring binder. Its innovative technology drastically cuts down the traditional workload of producing finished documents. The Pro™906EX punches and binds books of up to 100 A4 sheets. For that extra professional touch, rings are available in two sizes and two colours.

- Binding capacity: up to 50 or 100 sheets.
- Punch/stack latitude: up to 216 g/m^2.
- Booklet size: A4.
- Possibility to add or remove pages with ease afterwards.

Perfectly glued books

Perfect Binder produces professional quality booklets with very strong, glued backs. The GB5000 is exceptional in accepting oversized paper for body pages. Capacity is up to 200 sheets per book; the cover inserter supports paper up to 300 g/m^2. The automatic trimming function makes for a beautiful three-edge finishing. The ideal solution to offer your customers books on demand.

- Binding capacity: up to 200 sheets.
- Cover page insertion: standard.
- Three/one-edge trimming standard.
- Book size: from A4 to A5.

The Pro™906EX presents the most complete array of finishing options that can be combined in one device. No need to choose between booklet making and glue binding: you can have both, and offer multiple ways of finishing without high extra investments. Whichever type of finishing your clients require, you can print on demand and accommodate every wish.

- Automatic ring-binding facilitated.

- In-line production of all kinds of bound books.

Automatic, professional ring binding.
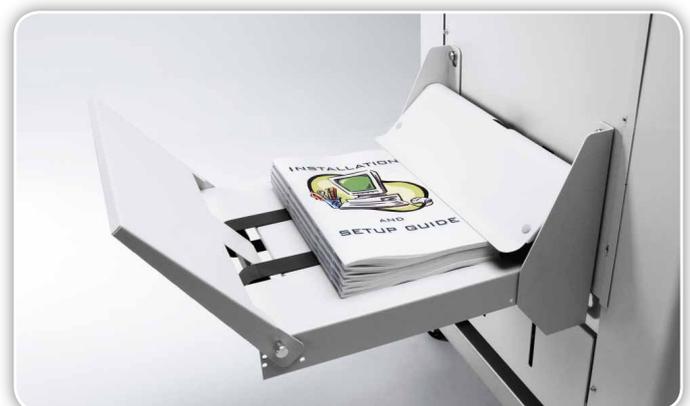
COPIER

Copying process:	2 x 4-way laser diode array & electro photographic printing	
Copy speed:	90 copies per minute	
Resolution:	Output:	1,200 dpi
	Scan:	600 dpi
Multiple copy:	Up to 9,999	
Warm-up time:	Less than 360 seconds	
First output speed:	3.5 seconds	
Zoom:	25 - 400% (in 1% steps)	
Memory:	Hard Disk Drive:	320 GB (2 x 160 GB)
Paper input capacity:	Standard:	2 x 1,000-sheet tandem trays
		2 x 500-sheet paper trays
	Maximum:	8,050 sheets (A4)
		7,500 sheets (A3)
Paper output capacity:	Maximum:	3,000 sheets
Paper size:	Minimum:	100 x 140 mm
	Maximum:	330 x 458 mm
Paper weight:	52 - 216 g/m^2	
Duplexing:	Standard	
Dimensions (W x D x H):	870 x 860 x 1,476 mm	
Weight:	Less than 305 kg	
Power source:	220 - 240 V, 50/60 Hz	
Power consumption:	Maximum:	Less than 3.5 kW

PRINTER/SCANNER (OPTION)

PRINTER

Print speed:	90 prints per minute	
Printer language/resolution:	Standard:	PCL5e: 300/600 dpi
		PCL6: 600/1,200 dpi
		RPCS™: 200 - 1,200 dpi
	Option:	Adobe® PostScript® 3™: 300/600/1,200 dpi
Interface:	Standard:	Ethernet 10 base-T/100 base-TX
		USB 2.0
	Option:	Bi-directional IEEE 1284
		IEEE 1394
		Wireless LAN (IEEE 802.11b)
		Gigabit Ethernet
		Bluetooth
		USB Host
Memory:	Standard:	256 MB with additional 512 MB
	Hard Disk Drive:	320 GB (2 x 160 GB)
Network protocol:	TCP/IP, IPX/SPX, SMB, EtherTalk (Auto Switching)	
Supported environments:	Windows® 2000/XP/Vista/Server 2003	
	Novell® NetWare® 3.12/3.2/4.1/4.11/5.0/5.1/6/6.5	
	UNIX Sun® Solaris 2.6/7/8/9/10	
	HP-UX 10.x/11.x/11iv2	
	SCO OpenServer 5.0.6/5.0.7/6.0	
	RedHat® Linux 6.x/7.x/8.x/9.x/Enterprise	
	IBM® AIX v4.3/5L v5.1/5L v5.2/5.3	
	Macintosh 8.6 - 9.2.x (OS W Classic)	
	Macintosh X v10.1 or later (native mode)	
	SAP® R/3® (3.x or later)	
	NDPS Gateway Netware 5.1 (SP8 or later)	
	6.0 (SP5 or later)/6.5 (SP3 or later)	
	IBM® iSeries / AS/400 using OS/	
	400 Host Print Transform	

SCANNER

Scan speed:	80 originals per minute (A4)	
Resolution:	100 - 1,200 dpi (B/W and full colour)	
Maximum original size:	A3+	
Output formats:	PDF, JPEG, TIFF	
Bundled drivers:	Network TWAIN	
Scan to e-mail:	Authentication:	SMTP and TCP/IP required
	Destination address selection:	Via LDAP, local address book or direct input
Destination addresses:	Up to 500 from local address book, up to 100 via LDAP	
Stored destination addresses:	Maximum 2,000	
Scan to folder:	Via SMB, FTP or NCP protocol, up to 50 folders per job	

SOFTWARE

Standard:	SmartDeviceMonitor™ for Admin/Client, Web SmartDeviceMonitor™, Web Image Monitor, DeskTopBinder™ Lite, TWAIN driver, Printer utility for Macintosh, Agfa Font Manager
Option:	DeskTopEditor For Production, doc-Q-manager, doc-Q-route, Equitrac Office™, MicroPress®

OTHER OPTIONS

4,550-sheet A4 large capacity tray, 4,000-sheet A3 large capacity tray, 500-sheet multi bypass tray, Dual station cover interposer, 3,000-sheet finisher with 100-sheet stapler and jogger unit, Punch unit (2/4 switchable hole punch, Scandinavian 4 hole punch), Saddle stitch unit, Professional booklet maker, Z-folder, GBC StreamPunch™ III, Ring Binder unit, Perfect Binder unit, Data Overwrite Security Unit, Copy Data Security Unit, File Format Converter, Copy Connect kit, Browser unit, VM card, Fiery® printer/scanner controller

For availability of models, optional apparatus and software, please consult your local Ricoh supplier.

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