

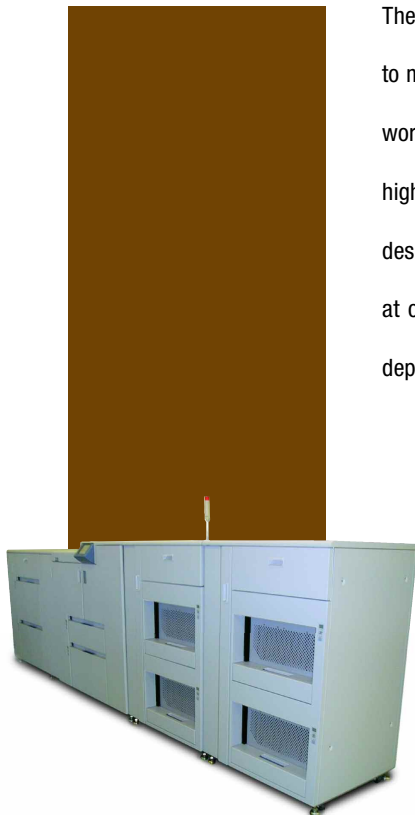
Input
Throughput
Output



EMP156
Enhanced Monochrome Publisher

High Speed Printing for Production Intensive Environments

The new EMP 156 from Ricoh is a robust monochrome printer with a compact footprint, designed to meet the most rigorous production printing requirements. It has the same high level of quality workmanship and reliability as the DDP product line and extends the printing technology to meet high volume production, around the clock. The EMP 156 has a revolutionary cut sheet engine design that incorporates advanced Ricoh paper handling technology. The ease of maintenance at operator level ensures that performance is optimal in the data centre, central reproduction department or service bureau.



Advanced Print Drivers and Web Utilities

The Ricoh bi-directional print drivers feature a graphical user interface for maximum printer control right from your workstation. With only one interface for PostScript™ or PCL, these dynamic, feature-rich drivers enable end to end document production, including simplified post document page insertion, front and back covers. Friendly web utilities provide access to the printer through the Internet or Intranet. Status of the printer, system functions are available through an embedded web server.



The image on these pages is not a real photograph and slight differences in detail might appear.



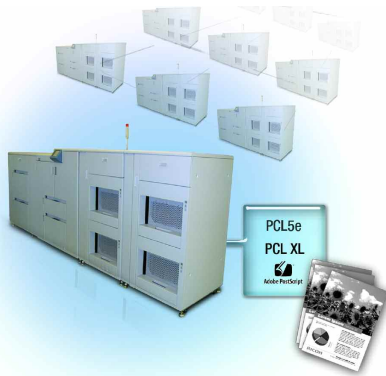
4.5 million pages per month

Your Digital Document Factory

Designed for very high volume applications like print on-demand (POD) and data centre printing, the EMP 156 features an engine life of 90,000,000 images and can print 4.5 million pages per month. The printer also offers superior print quality due to the unique 'belt transfer system' used in the imaging mechanism. Built to last, the EMP 156 industrial strength components ensure that you get the highest quality output page after page and year after year.

Data Stream Conversion

Ricoh's data stream conversion solutions provide a way to easily migrate your mainframe or AS/400 output to production laser printers without changing your legacy applications. Convert AFP/IPDS, SCS or LCDS/Metacode to PostScript® or PCL and enhance your reports with new printing and finishing features. Increase your printer efficiency by sharing mainframe printer resources with local area network PC users. When you switch to laser printing you can also add e-forms and eliminate pre printed forms' costs of storage and obsolescence.



Network Connectivity and Performance

The EMP 156 is supercharged by a powerful, high performance print controller developed by Ricoh. Based on a 800 MHz PowerPC processor with a high speed 64 bits memory architecture, the controller enables the EMP 156 to run at its full rated speed. Standard emulations include PCL5e and PCL XL. Adobe® PostScript® 3™ is available as standard and the Ricoh patented Virtual Printer Technology (VPT®) is also supported. This feature enables a single printer to support up to 64 print services or 'virtual printers'.

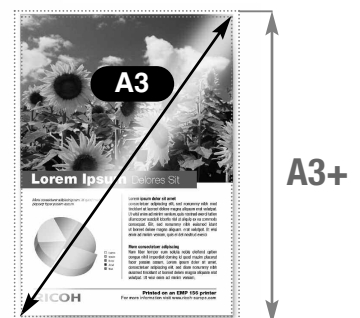


High Volume Printing

The standard high volume Container Stackers on the EMP 156 let you print and accurately stack large volumes of paper in continuous print mode. While the printer is feeding paper to one container stacker bin the other bin can be emptied. All the standard paper sizes are supported in the Container Stackers. The EMP 156 combined with two Container Stackers allows you to run very large production jobs unattended. When you add a pair of Container Stackers to your production printer you can feed, print and stack up to eight thousand sheets without worrying about continuous operator support.

Wide Media Range

The EMP 156 offers unprecedented media flexibility. Manual covers on heavy stock can be printed from any main body tray, allowing you to generate sophisticated, integrated documents in a single pass. Paper sizes up to 304.8 x 457.2 (A3+) allow you to print full-bleed 279.4 x 431.8 mm /A3 layouts. In addition the EMP 156 features an air pick mechanism for paper feeding which allows it to handle special media including coated stocks used by commercial printers. EMP 156 also has very high paper input capacity of 15,500 sheets to match its output speed.





EMP156
Enhanced Monochrome Publisher

Specifications



GENERAL

Print speed (simplex/duplex):	A4/Letter/LEF: 156 ppm A3/Ledger/SEF: 78 ppm
Dimensions (W x D x H):	2,169 x 1,105 x 1,350 mm
Weight:	880 kg
Power source:	200/208/220/230/240 V (4 wires: 3 phases + ground) 380/400/415 V (5 wires: 3 phases + neutral/ground) 4.6 kW (standard configuration at 230 V/400 V) 5.3 kW (full configuration at 230 V/400 V)
Duty cycle:	4,500,000 pages per month

CONTROLLER

Processor:	800 MHz PowerPC 750FX processor with 512 MB RAM, 40 GB HDD
Resolution:	600 x 600 dpi
Printer language:	Standard: PCL5e, PCL XL, Adobe® PostScript® 3™, PDF/TIFF
Embedded web server:	Real time device monitoring and configuration
Drivers:	Custom Mercury bi-directional drivers for Windows®

CONNECTIVITY

Network protocol:	Standard: TCP/IP
Interface:	Ethernet 10/100/1000 base-T

PAPER HANDLING

Paper input capacity:	Standard: 3,500 sheets Paper tray 1: 2,500 sheets Paper tray 2: 1,000 sheets High capacity feeder (option): Tray 1: 3,000 Ledger/A3 sheets Tray 2: 3,000 Ledger/A3 sheets Up to two high capacity feeders can be added (4 x 3,000 sheets)
Paper output capacity:	Standard: 2 x 2,000 sheets (single Container Stacker)
Paper size:	Paper tray 1: B5 to 304.8 x 457.2 mm (A3+) (75 g/m ²) Paper tray 2: B5 to 304.8 x 457.2 mm (A3+) (75 g/m ²)
Paper weight:	Input tray : 60 - 199 g/m ²

CONSUMABLES

Toner:	54,000 images/bottle (5% coverage)
Developer:	720,000 images/bottle
Drum:	4,050,000 images
Hot roll:	2,400,000 images
Back roll:	2,400,000 images

OPTIONS

Container Stacker:	Add one container stacker (2 x 2,000 sheets) for production that requires offline finishing Holds Letter/A4 and Ledger/A3 paper sizes up to 8,000 pages (75 g/m ²) maximum
--------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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



ISO9001: 2000 certified
ISO14001 certified

VPT® is a registered trademark of Ricoh Printing Systems America, Inc.

Ricoh has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Ricoh believes in conserving the earth's precious natural resources. This brochure is printed on environmentally friendly paper: 50% recycled fibres, 50% chlorine free bleached pulp.

All brand and/or product names are trademarks of their respective owners.

Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

Copyright © 2005 Ricoh Europe B.V. All rights reserved. This brochure, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of Ricoh Europe B.V.

RICOH

For more information, please contact:

RICOH EUROPE B.V.
P.O. Box 114, 1180 AC Amstelveen,
The Netherlands.
Phone: +31 (0)20 54 74 111
Fax: +31 (0)20 64 18 601

www.ricoh-europe.com