



R I M A G E™

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Rimage 2000i CD-R and DVD-R Publishing System

The Rimage 2000i is a totally integrated disc publishing system that includes 2 recorders and 1 inkjet printer completely installed. The Rimage 2000i also includes Rimage's network connection software that enables PC or Mac users on a network to send jobs to the system for remote unattended processing. The Rimage 2000i provides the most proven, highly advanced robotic technology in the industry. The Rimage 2000i is the first fully assembled, out-of-the-box ready digital recording and printing solution in the industry. The Rimage 2000i is fully contained and requires no configuration.



Along with the industry leading robotic and CD and DVD disk drive technology, the Rimage 2000i comes pre-mounted with the Rimage 480i printer assembly - the most advanced inkjet printer available today. Co-developed by Rimage and Hewlett-Packard, the Rimage 480i employs the most highly advanced printing technology in the industry. It features the best speed, the best resolution, and the best color management in the industry. The Rimage 480i has the smallest droplet size (3 picoliters) that ensures maximum clarity and great economy in direct-to-disc printing. The Rimage 2000i also offers 4800 dpi printing and a full color spectrum of 16.7 million colors. For superior color management, each printer comes with HP's PhotoREt IV color layering technology and HP's ColorSmart III color optimization technology to create realistic photo images, vivid color output, and sharp text



Ink Options

The Rimage 2000i comes with one Black cartridge (RB1) and one CMY cartridge (RC1). The black cartridge contains 19 ml of HP pigment-based ink specially formulated to resist fading and smearing. The CMY cartridge contains 17 ml of dye-based ink also formulated to resist fading.

A future option for the Rimage 2000i will be the RP1 photo ink cartridge that will contain 17 ml of dye-based inks. This cartridge will replace the black cartridge and when used in conjunction with the standard CMY cartridge will produce virtually grain free, true-to-life photos. The RB1 and the RC1 cartridges are available from your Rimage Authorized Value Added Resellers.

Print Times

Print time on a disc ink jet printer is based on the area of the disc that is covered by ink. If a disc has several lines of type, some account or numerical information, and perhaps a logo it can print in as little as 25 seconds at the Plain/Normal (see **Sample A**). If a disc is totally covered with ink and the printer is set on the Premium/Best quality - the disc can take just over 2 minutes to print (see **Sample B**). With the large available range of printing variables, print time is not just one number. In addition to printing times, throughput also depends on the time the printer takes to bring the tray in and then move the tray out when the printing is completed. Tray in and out time typically adds 4 seconds to each disc. Listed below are the print times for each kind of disc based on disk coverage, print setting and media type. The table below indicates "average" print times based on the previous **Sample A** and **Sample B** label files



Sample A - Partial Coverage



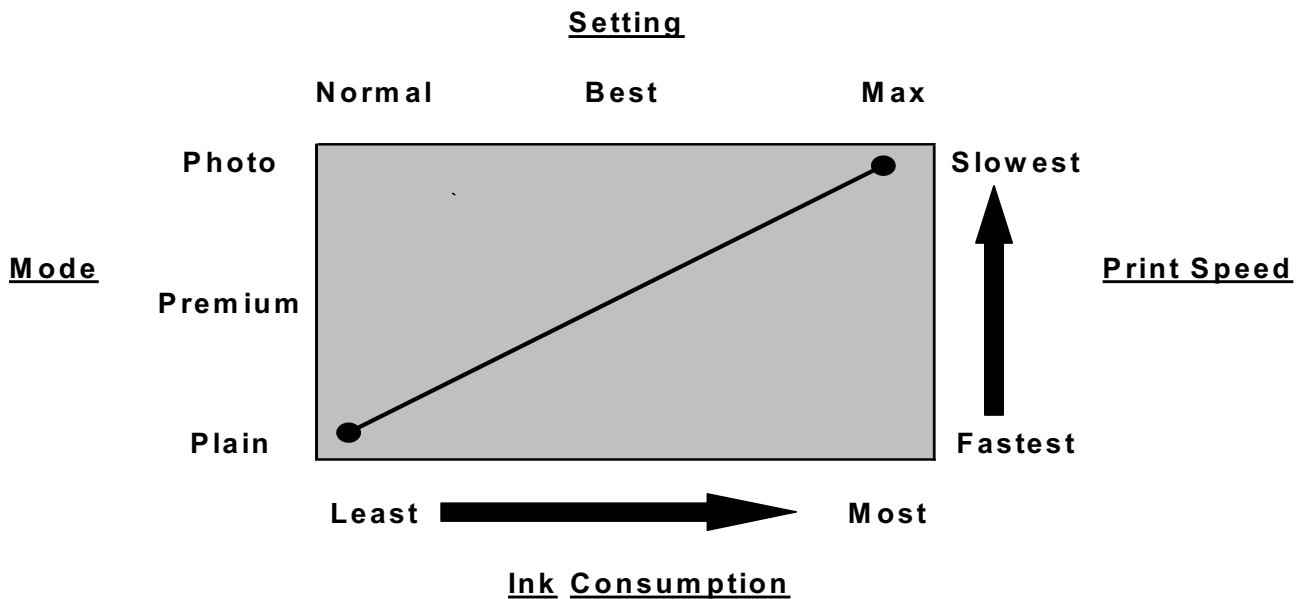
Sample B - Full Coverage

*Amount of coverage	Print Quality	Media type	Time to print
Partial coverage	Normal	Plain	26 seconds
Partial coverage	Normal	Premium	37 seconds
Partial coverage	Best	Plain	46 seconds
Partial coverage	Best	Premium	85 seconds
Full coverage	Normal	Plain	32 seconds
Full coverage	Normal	Premium	56 seconds
Full coverage	Best	Plain	59 seconds
Full coverage	Best	Premium	132 seconds

**For internal use only, not to be distributed*

Printing Options

The table below graphically illustrates how the print setting and print mode on the label file affects the printing speed and the amount of ink consumed.



The Rimage 2000i Results!

Print Test 1

The first printer ink level test was completed on the Rimage 2000i and the results were astounding. From one set of standard ink cartridges for the Rimage 2000i (one 17 ml RC1 cartridge and one 19 ml RB1 cartridge) on the **Plain/Normal** print mode and setting; we were able to produce **905 discs** of consistent, high quality (approximately 302 copies of each disc sampled below). That equates to approximately 12 cents of ink cost per disc based on standard MSRP pricing!! We used label samples that provided a 25, 50 and 100 percent disk coverage with varying degrees of color usage to represent a typical end-user application.

If the printer mode settings for the Rimage 2000i are changed to the highest possible setting of **Photo/Maximum DPI**, using the same 3 label set identified below, we were able to produce **355 discs** of consistent, high quality (approximately 119 copies of each disc).



Disc 1 - 25%



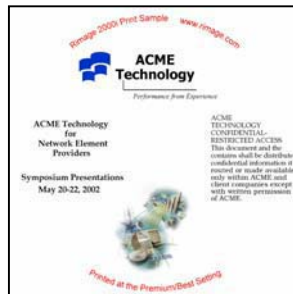
Disc 2 - 50%



Disc 3 - 100%

Print Test 2

The results from the second print test completed on the Rimage 2000i were equally as impressive. The second test used **Disc 1**, again with one set of standard ink cartridges for the Rimage 2000i (one 17 ml RC1 cartridge and one 19 ml RB1 cartridge). With the **Premium/Best** print mode and setting; we were able to produce **1950 discs** of consistent, high quality before the RB1 black ink cartridge ran out. That equates to less than 6 cents of ink cost per disc based on standard MSRP pricing!



Disc 1 - 25%

The Rimage 2000i Photo Ink (RP1)

The six colors of the photo ink cartridge are Cyan, Magenta, Yellow from the color CMY cartridge, and Light Cyan, Light Magenta and Yellow from the new RP1 photo ink cartridge. By adding light cyan and light magenta to the Rimage 2000i/480i color palette, you get absolutely stunning results. Skin tones on faces look more natural. Shades and gradations are more gradual and smooth. Colors are brighter and even more vibrant. The black that is now created out of the photo ink cartridge is composite ink that is considered a more "pure" black. The benefits of the Photo Ink cartridge include:

- **Precise dot placement** ensures true-to-life photo accuracy.
- **Ultra-small ink drops** allow smoother gradations, creating grain-free images.
- **Virtually grain-free images**, brighter, more vibrant colors and deep, rich blacks for brilliant quality.
- **Multiple dye-load inks** produce more levels of color intensity per ink color, per dot.

Rimage 2000i Product Specifications

Standard System	Two disc recorders, Rimage 2000i autoloader, Rimage 480i printer assembly, and complete software suite
Software requirements	Requires OfficeNet Version 6.4 or above
Input bin capacity	100 Discs
Output bin capacity	110 Discs
Physical size	Width - 15.75" (40cm) Height - 21.00" (53.3 cm) Depth - 20.00" (50.8 cm) Weight - 58 lbs (26.31kg)
Standard system requirements	Processor: Intel Celeron 2.0 GHz RAM/Memory: 512 Mb, DDR-200 Fixed Storage: Two 36 GB, 7200 RPM, Graphics: 1024x768, (32 bit color), 60 I/O: One USB port, 1 FireWire Port Firewire PCI expansion card included with all systems.
Enhanced System Requirements	Processor: Intel Pentium 4, 2.4 GHz RAM/Memory: 512 Mb, DDR-200 Fixed Storage: Three 36 GB, 10000 RPM, Serial-ATA hard drives Graphics: 1024 x 768 (32 bit color), 60 Hz I/O: One USB port, 1 FireWire Port (Two of each are required to network two Rimage 2000i units on a single PC.) Firewire PCI expansion card included with all systems.
Features	Easy to read LCD display Data Streaming (with Enhanced System Requirements) Network ready (PC dependent)
Supported Operating Systems	Windows 2000 Professional, XP Professional
Supported Clients	Windows 2000, XP, Mac OS 10.2
Power	100 - 240 VAC, 2.7 A, 60/50 Hz
Operating Temperature	60° to 95° F (16° to 35°C)
Humidity	40 to 80% non-condensing
Storage Temperature	5° to 95° F (-15° to 35°C)

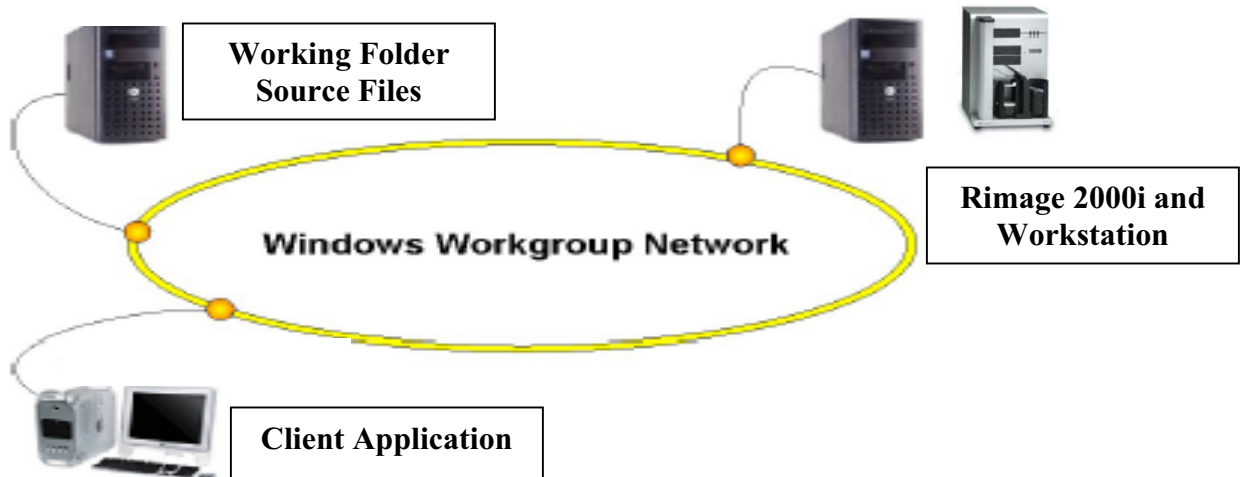
*Specifications subject to change without notice.

PC Specifications

	2000i (52X CD-R, 4X DVD-R)	
	Standard System Requirements	Enhanced System Requirements (recommended for data streaming and disc publishing)
Processor	Intel Celeron 2.0Ghz, 400Mhz Front Side Bus	Single Intel Pentium 4 processor, 2.4GHz, 512KB Level 2 Cache, 400MHz Front Side Bus
Memory	512MB, DDR-200	512MB, ECC, DDR-200, SDRAM
Operating System	Microsoft Windows® 2000 Professional Service Pack 4 Microsoft Windows XP Professional Service Pack 1	Microsoft Windows® 2000 Professional Service Pack 4 Microsoft Windows XP Professional Service Pack 1
Hard Drives For CD-R Systems	Two 36GB, 7,200RPM Serial-ATA Hard Drives Drive One Used for Hosting Operating System, Rimage System Folder Drive Two for cache files	Three 36GB, 10,000RPM Serial-ATA Hard Drives 1st Drive used for hosting the Operating System 1st Drive used for the Rimage System Folder 3rd Drive used for hosting cache files.
Hard Drives For DVD-R Systems	See Above	See Above
Hard Drive controller	Serial-ATA, S150 Either NON-RAID or Hardware RAID	Serial-ATA, S150 Either NON-RAID or Hardware RAID
Hard Drive Partition & formatting Instructions	Format Drives as Basic Disk, NTFS. <u>Recommended Drive naming convention:</u> 1st Drive C:\ 2nd Drive F:\ CD\DVD-ROM D:\ Set Production Servers first Cache Drive letter to F:\	Format Drives as Basic Disk, NTFS. <u>Recommended Drive naming convention:</u> 1st Drive C:\ 2nd Drive F:\ 3rd Drive G:\ CD\DVD-ROM D:\ Set Production Servers first Cache Drive letter to G:\
Expansion Slots	1 PCI v2.1or later for IEEE 1394 host adapter	1 PCI v2.1or later for IEEE 1394 host adapter
Network	Ethernet 100 Base T	Ethernet (Gigabit) 1000 Base T
Serial Ports	NA	NA
Firewire Ports	One (A combination two Port Firewire & 3 port USB2 PCI card ships with each unit)	One (A combination two Port Firewire & 3 port USB2 PCI card ships with each unit)
USB Ports	1 (Ver 1.0)	1 (Ver 1.0)
Parallel Ports	NA	NA
Video/Graphics	1024X768 (32bit) High Color	1024X768 (32bit) High Color

Macintosh Users

Good news for Macintosh users. The Rimage OfficeNet suite client application QuickDisc is fully compatible with Macintosh computers.



This configuration scenario covers the installation of the Rimage Client Applications on a Macintosh computer with OS 10.2 to work with an existing Rimage 2000i in a workgroup environment. Please refer to the **Rimage Advanced Setup Guide** for further details on how to configure and network Macintosh computers.

Accessories

The Rimage 2000i comes out of the box fully ready to meet your recording and publishing needs without costly accessories. There is one main accessory that you can add if needed after you have purchased your unit. An extra 100 disc Input/Output caddy that can be added to switch between CD and DVD jobs or to hold multiple complex printing and publishing jobs. Please see the **Pricing and Ordering** section for price and part numbers.

Networking Ability

The Rimage 2000i can work in a standalone environment and be positioned next to the desk of the individual user or it can be hooked up to the network and be treated by all users as if the Rimage 2000i was just another printer on the network. It is that easy.

You can also connect up to two Rimage 2000i units on a single PC. This feature allows you to run two complex recording and publishing jobs at once while allowing you the flexibility to maximize the optimized 2 to 1 recorder to printer ratio without experiencing any problems with disc throughput. By connecting both Firewire connections and USB connections to one computer, you can run two Rimage 2000i units together to accommodate your complex publishing jobs.

Maintenance Options

The Rimage 2000i comes with a one-year warranty. The full warranty is printed at the end of this document. The warranty is a return-to-factory.

There are several additional options that cover both the potential cost and timing for a Rimage 2000i unit that requires maintenance. Please see the **Rimage Corporation Price & Discount** list for details and part numbers.

Option	Terms and conditions	1 st year	2 nd year
Standard Warranty	<ul style="list-style-type: none"> • 15 business day repair • No charge for parts and labor • End user pays shipping to Rimage • Rimage pays shipping back to end user 	One year included with Rimage 2000i	N/A
Depot Repair	<ul style="list-style-type: none"> • 5 business day repair • No charge for parts and labor • End user pays shipping to Rimage • Rimage pays shipping back to end user 	\$ 149.00	\$ 579.00
Rapid Exchange	<ul style="list-style-type: none"> • Replacement unit delivered next day • No charge for parts and labor • Rimage pays overnight shipping to end user • End user pays ground shipping to back to Rimage 	\$ 279.00	\$ 689.00
On-site	Not available for this product	N/A	N/A

Pricing and Ordering

Product	Part number	M.S.R.P.	Description
Rimage 2000i w/CD-R	530101-302	\$3,495.00	Rimage 2000i fully assembled, two 52X CD recorders, pre-mounted Rimage 480i printer.
Rimage 2000i w/DVD-R	530101-320	\$3,995.00	Rimage 2000i fully assembled, two 8X DVD recorders, 24X CD recorders, pre-mounted Rimage 480i printer assembly.
CMY Ink Cartridge	RC1	\$ 59.95	Color inkjet cartridge for Rimage 2000i/480i products.
Photo-color Ink Cartridge	RP1	\$ 49.95	Photo inkjet cartridge for Rimage 2000i/480i products.
Black Ink Cartridge	RB1	\$ 49.95	Black inkjet cartridge for Rimage 2000i/480i products.
600 CD Media Kit	210790-001	\$ 415.00	Rimage 2000i/480i CD-R, White Printable Surface, 600 Disc Bulk Pack, 2 CMY & 1 black cartridge.
600 DVD Media Kit	210791-001	\$1,485.00	Rimage 2000i/480i DVD-R White Printable Surface, 600 Disc Bulk Pack, 2 CMY & 1 black cartridge.
100 Disc Input/Output Bin	501225-001	\$89.00	Rimage 2000i extra 100 disc Input/Output bin

*Prices and part numbers are subject to change.

What's in the Box

Rimage 2000i	Power cord	User Guide
Rimage 2000i printer/recorder unit	Rimage printer driver software	Quick Start Guide
RB1 black cartridge	Latest version of the Officenet and CD Designer software	Software getting started guide
RC1 CMY cartridge	10 pack of Rimage Media Kit white ink jet CDs	PCI Firewire card

Rimage Media Kits

Rimage Media Kits™ are designed to maximize quality and convenience when using Rimage printers. Rimage Media Kits come pre-assembled with enough printing supplies to print all discs included in the media kit. No more worrying about whether your ink jet compatible media really is compatible. No more expensive discs ending up as printing rejects. Rimage has partnered with high quality media manufacturers to bring you the best combination of media and printing supplies possible – and at a great competitive price. CD-R and DVD-R media made to Rimage specifications cannot be purchased through traditional media channels. Add all that to the Rimage guarantee and you have a great combination that can't be beat.

Rimage Media Kit Guarantee: Rimage guarantees these discs to print and record to the end user's satisfaction if they are properly handled and maintained. Rimage will, at its option, replace the media and printing consumables, or give a refund of the purchase price, should Rimage Media Kit components fail to print and record properly.

Contact Information

For more information on Rimage 2000i contact:

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Rimage Limited One Year Warranty

Rimage Corporation (“Rimage”) warrants, to the original end user only (“You”), that all non-consumable parts of the Rimage 480i will be free from defects in material and workmanship for a 1 Year period, according to the following terms:

- Rimage will replace or repair, at Rimage's discretion, any non-consumable parts found defective within the Warranty period.
- Valid from the date Rimage ships the product to You.
- Factory depot repair at Rimage Minnesota or Rimage Germany with a typical response of 15 business days (25 business days for International). (On-site repair, or faster response Maintenance Contracts are available for an additional fee.)
- Rimage will pay ground service freight charges for components shipped back to You.

This Warranty Does Not include the following:

- Work done at the Your location or Your loss of data.
- Shipment costs of equipment or components returned to the Rimage factory.
- Software and/or firmware enhancements released after purchase of the product.
- Equipment or parts that were tampered with, misused, neglected, or that were modified in any respect without the written consent of Rimage.
- Equipment or parts that have been damaged due to shipping or accidents, or damaged by lightning, storms, water, or power surges.
- Printer consumables including ink cartridges, ribbons, retransfer rolls, or print heads.

You may not assign this Warranty without Rimage's written consent. Rimage is the intended beneficiary of this Warranty; if there is any inconsistency between this Warranty and any other agreement included with or relating to Rimage products, this Warranty shall govern. If any term of this Warranty is illegal or unenforceable, the legality and enforceability of the remaining provisions are not affected or impaired. This Warranty is to be interpreted under the laws of the State of Minnesota, U.S.A., without giving effect to conflict of law rules. The parties hereby expressly exclude the application of the United Nations Convention on Contracts for the International Sale of Goods to this Warranty and its performance.

Rimage must receive written notice of any claimed defect or failure to perform within five (5) days after such failure or defect is first observed. For warranty service, call Rimage at (952) 946-0004. For warranty service in Europe, call +49-(0) 6074-8521-0.

THE LIMITED WARRANTY SET FORTH ABOVE IS RIMAGE'S ONLY WARRANTY IN CONNECTION WITH THE 480i. ALL OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, EXPRESS OR IMPLIED, CONTRACTUAL OR STATUTORY, INCLUDING, BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED AND DISCLAIMED. IN NO EVENT SHALL RIMAGE'S LIABILITY UNDER THIS WARRANTY EXCEED THE OBLIGATION TO REPAIR OR REPLACE, AT RIMAGE'S DISCRETION, A WARRANTED PRODUCT, AND, WITHOUT LIMITING THE FOREGOING, RIMAGE'S LIABILITY UNDER THIS WARRANTY SHALL NOT EXCEED THE COST OF THE COVERED PRODUCT.

To check order shipment information, return goods data, shipping details, or tracking specifics on the Rimage web site go to www.rimage.com and select Order Status.