



**CD • DVD • BLU-RAY • FLASH**  
Media • Printing & Duplication Products



# PRODUCT COMPARISON GUIDE

[microboards.com](http://microboards.com)



# DISC PUBLISHERS & PRINTERS

MICROBOARDS  
Technology



## GX SERIES - Entry-Level

The GX Series is the entry-level disc publishing solution from Microboards. The GX Disc Publisher is the most affordable publisher in its range. Produce 50 CDs, DVDs, or Blu-ray Discs automatically, printed and burned. Featuring a robust 48X CD / 20X DVD recorder (8X Blu-ray recorder optional) and a single tri-color ink cartridge, the GX is perfect for short runs in any environment. Print-only units also available.

### GX Disc Publisher • Part No: GX2-1000

- CD/DVD (Blu-ray optional) recorder
- 50-disc input capacity
- Smallest desktop footprint (11.5" wide)
- Automated disc printer
- Includes PrintWrite software
- 23 cents per full color print

### GX Auto Printer • Part No: PX2-1000 • Automated Printer (50-disc input)

### GX Disc Printer • Part No: PX1-1000 • Manual Printer (1-disc input)

### Operating System Specifications

- PC: Windows 2000 SP4, XP Pro SP2 (32-bit), XP Home (32-bit), Vista (32-bit)
- Mac: OS 10.5.X

\* For complete product specifications, visit [microboards.com](http://microboards.com).



## CX SERIES - Mid-Range

The CX Series is ideal for mid-range disc production. The CX-1 Disc Publisher and PF-3 Print Factory Disc Printer produce the most vibrant, highest-quality prints in the industry, using two ink cartridges. The CX's robust print engine allows hundreds of discs to be printed on a weekly basis. The CX-1 comes equipped with a high-speed CD/DVD burner (Blu-ray recorder optional).

### CX-1 Disc Publisher • Part No: CX1-1000

- CD/DVD (Blu-ray optional) recorder
- 100-disc input capacity
- Delivers vibrant, high-quality prints
- Automated disc printer
- Includes PrintWrite software
- 23 cents per full-color print

### PF-3 Print Factory Disc Printer • Part No: PF3-1000 • Automated Printer

### Operating System Specifications

- PC Only: Windows 2000 SP4, XP Pro SP2 (32-bit), XP Home (32-bit), Vista (32-bit)



## MX SERIES - Industrial

The MX Series, best suited for runs of large quantities, features the fastest print engine and lowest cost per print. Using four individual ink cartridges (C, M, Y, K), it's not uncommon to produce up to 1,500 discs from one set of inks. The MX-1 and MX-2 feature either one or two high-speed CD/DVD recorders (Blu-ray optional), while the PF-Pro is a print-only option.

### MX-1 Disc Publisher • Part No: MX1-1000

- CD/DVD (Blu-ray optional) recorder
- 100-disc input capacity
- Fastest inkjet disc printer on market
- Automated disc printer
- Includes PrintWrite software
- 14 cents per full-color print

### MX-2 Disc Publisher • Part No: MX2-1000 • 2-Drive Publisher

### PF-Pro Print Factory Disc Printer • Part No: PFP-1000 • Automated Printer

### Operating System Specifications

- PC: Windows 2000 SP4, XP Pro SP2 (32-bit), XP Home (32-bit), Vista (32-bit)
- Mac: OS 10.5.X



Extended Warranties Available—Call for Info!

**800.646.8881** [microboards.com](http://microboards.com)

COMPACT  
disc

DVD





Blu-ray Disc





# Find the disc printer or publisher that's right for you!



**MICROBOARDS**  
Technology

# DISC PUBLISHERS & PRINTERS

PRINTERS	GX (Entry-Level)	CX (Mid-Range)	MX (Industrial)
Manual Loading Printer	GX Disc Printer 	—	—
Automated Printer	GX Auto Printer 	PF-3 	PF-Pro 

PUBLISHERS	GX (Entry-Level)	CX (Mid-Range)	MX (Industrial)
1-Drive CD/DVD/Blu-ray	GX Publisher 	CX-1 Publisher 	MX-1 Publisher 
2-Drive CD/DVD/Blu-ray	—	—	MX-2 Publisher 

SPECIFICATIONS	GX (Entry-Level)	CX (Mid-Range)	MX (Industrial)
Cost Per Disc*	\$0.23	\$0.23	\$0.11 - \$0.18
Supported OS	2K, XP, Vista, Mac 10.5 32-bit	2K, XP, Vista 32-bit	2K, XP, Vista, Mac 10.5 32-bit
Disc Capacity	50	100	100
Ink Cartridges (See below)	1 Cartridge CMY	2 Cartridges CMY & K	4 Cartridges: C, M, Y, K
Typical Weekly Throughput	25-100 Discs	100+ Discs	250+ Discs
Weight & Dimensions	<b>GX Disc Publisher and Auto Printer</b> 22.5lbs. 7"H x 24.5"D x 11.5"W	<b>CX-1</b> 29 lbs. 9"H x 20"D x 18"W	<b>MX-1 &amp; MX-2</b> 45 lbs. 9"H x 22"D x 22"W
	<b>GX Disc Printer</b> 11 lbs. 7"H x 14"D x 11.5"W	<b>PF-3</b> 27 lbs. 9"H x 20"D x 18"W	<b>PF Pro</b> 43 lbs. 9"H x 22"D x 22"W
Software Included	PrintWrite & SureThing 5 (Win 2K, XP, Vista), PrintWrite (Mac OS 10.5.X)	PrintWrite & SureThing 5 (Win 2K, XP, Vista)	PrintWrite & SureThing 5 (Win 2K, XP, Vista) PrintWrite (Mac OS 10.5.X)

\* Cost per disc calculated printing full-color, full-coverage on a hub-printable disc.

DISC PRINTER/PUBLISHER INKS		
 <p><b>GX-300-HC</b> 3-color CMY cartridge</p> <p>GX DISC PUBLISHER GX AUTO PRINTER GX DISC PRINTER</p>	 <p><b>V101B V102C</b> CMY cartridge Black cartridge</p> <p>CX-1 DISC PUBLISHER PF-3 DISC PRINTER</p>	<p><b>PFP-HC-YELLOW, MAGENTA, CYAN, AND BLACK</b> 4 separate cartridges + 2 printheads</p>  <p>MX-1 DISC PUBLISHER MX-2 DISC PUBLISHER PF-PRO DISC PRINTER</p>

800.646.8881 [microboards.com](http://microboards.com)



# TOWER DUPLICATORS

MICROBOARDS  
Technology



## QD Series • Entry-Level Economy CD/DVD Duplicators

Microboards' entry-level series of CD/DVD duplicators is the QD Series, the economical way to make copies quickly. All CD/DVD duplicators are available in standalone 1, 3, 5, or 7-drive systems, ensuring a perfect system for everyone.

### QD Series Specifications

- 48X CD/20X DVD record speeds (Both CD and DVD recording available in same tower!)
- Supported CD Formats: CD-DA (Red Book), CD-ROM Modes 1 & 2, ISO 9660, Photo CD, CD-Extra, Mixed Mode, Video CD, Hybrid CD, HFS; CD+G (karaoke) available on some models
- Supported DVD Formats: DVD Video, DVD-ROM, DVD-DL
- USB 2.0 connectivity support
- 1-year warranty



## CopyWriter Series • Industrial CD/DVD Duplicators

For over a decade, Microboards' CopyWriter series of CD/DVD duplicators have been the most trusted and reliable on the market. Featuring a premium 5-button controller, PC-connect option, and a limited two-year warranty, the CopyWriter towers are available in 3, 5, 7, or 10-drive configurations.

### CopyWriter Series Specifications

- 48X CD/20X DVD record speeds
- Supported CD Formats: CD-DA (Red Book), CD-ROM Modes 1 & 2, XA Forms 1 & 2, ISO 9660, Photo CD, CD-Extra, Mixed Mode, Video CD, Hybrid CD, HFS; CD+G (karaoke) available on some models
- Supported DVD Formats: DVD-Video, DVD-ROM, DVD+R, DVD-R, DVD+RW, DVD-RW, DVD-DL
- PC-connect upgrade available
- Limited 2-year warranty



## CopyWriter PRO CD, DVD, Blu-ray, LightScribe Towers

Copy Blu-ray discs, DVD, and CDs, and copy *and* print LightScribe discs with Microboards' CopyWriter PRO Series of tower duplicators. Available in a variety of configurations with built-in hard drives, there are many reasons to choose a CopyWriter PRO for your duplication needs.

### CopyWriter PRO CD, DVD, Blu-ray Specifications

- 52X CD, 20X DVD, 6X Blu-ray record speeds
- Built-in 250GB hard drive CD/DVD, 500GB BD-R
- Various size configurations ranging from 3 to 10 drives in a single tower
- Premium 5-button controller
- 2-year limited warranty

### CopyWriter PRO LightScribe Specifications

- 48X CD, 20X DVD record speeds
- 3, 5, 7, 10-drive systems
- Copy discs, then flip & print laser-etched labels using included software (Windows only)
- Limited 2-year warranty



## Daisy-Chainable NET DVD, Blu-ray, LightScribe Towers

Connect any number of tower duplicators together to produce more discs than ever before with Microboards NET Tower Duplicator Series. Available in DVD, Blu-ray, and LightScribe, the NET Series makes a large duplication job a quick, speedy process!

### Daisy-Chainable NET Tower Series

- NET-20 tower is a 2-tower system daisy-chained together
- NET-10 towers can be connected together, to the NET-20, or run independently
- Available in DVD, Blu-ray, and LightScribe
- Same specifications as CopyWriter PRO series
- 3M-NET2-1.0 cable required to connect NET towers together
- Limited 2-year warranty



Extended Warranties Available—Call for Info!

800.646.8881 [microboards.com](http://microboards.com)

lightScribe  
DIRECT DISC LABELING

COMPACT  
disc

DVD

Blu-ray Disc

# Find the perfect tower duplicator for your needs!



**MICROBOARDS**  
Technology


# TOWERS/AUTOLOADERS

SPECIFICATIONS	QD Series	CopyWriter	CopyWriter PRO
CD	✓	✓	✓
DVD	✓	✓	✓
Blu-ray			✓
LightScribe			✓
Recording Speeds	48X CD, 20X DVD	48X CD, 20X DVD	48X CD, 20X DVD, 6X BD-R
Recorders	1, 3, 5, 7	3, 5, 7, 10	3, 5, 7, 10, NET-10, NET-20
Hard Drive			✓
PC Connect	DVD Series Only	✓ <i>Optional Upgrade</i>	✓ <i>Optional Upgrade</i>
Rackmount			Optional
Track Extraction	✓	✓	✓
Warranty	1-Year	2-Year (limited)	2-Year (limited)
Controller	Standard 4-Button	Premium 5-Button	Premium 5-Button

## HCL Autoloaders • High Capacity Duplication

Automatically copy CDs, DVDs, Blu-ray discs, and LightScribe discs in mass quantities with the HCL Autoloader. The HCL's robotic arm picks up blank discs and sets them in the 4, 6, or 8-drive duplicator. After recording, the arm picks the finished discs out of the drives and spindles the output. Duplicate a thousand discs unattended!


- Complete standalone operation: No PC required
- Maximum 1000 disc capacity
- Multi-Master Recognition Technology
- Sticky media separator option
- Multi-Language capability for English & Spanish
- Auto-Counter



## Orbit 3 • Automated Copier

Looking for unattended disc duplication on a small scale? Meet the Orbit 3, the mid-sized automated stand-alone disc duplicator that offers the high-end features of Microboards disc publishers, in a compact, record-only package with a desk-friendly footprint. Stack up to 100 blank discs into Microboards' patented disc singulator, and let the two robust recorders crank out the copies.


**Supported Formats:** CD-ROM Mode 1, CD-ROM XA Mode 2 (form 1 & 2), Photo CD, CD-DA (Audio CD), CD-Extra, CD-R, CD-R, DVD-ROM, DVD+/-R/RW/DL, DVD-VIDEO



## QDL • Quic Disc Loader

New from Microboards is the industry's most space-efficient automated CD/DVD duplicator! Measuring in at just 9" high and 16" wide, the stand-alone QDL-1000 Quic Disc Loader is the easiest way to automatically duplicate up to 25 discs at a time. Its reliable, robotic arm picks up discs, lifts them to the recording drive, and deposits finished discs in the output tray.

**Supported Formats:** DVD-ROM, DVD-Video, DVD-Audio, Double Layer DVD+R, Dual Layer DVD-R, DVD-R/RW, DVD+R/RW, CD-ROM (Mode1 & Mode2), CD-ROM/XA (Mode2 form1 & form2), CD-DA, Mixed-Mode, Video CD, CD-I, Karaoke CD(VCD), Photo CD (Single & Multi-session), CD-Extra, HFS, CD-Bridge, ISO9660, CD-R, CD-RW






### USB Flash Duplicators



Copy USB thumb drives in a flash with CopyWriter Flash Duplicators. Available in 3, 7, or 11-slot configurations, users can make up to 11 copies at a time. Making copies with the CopyWriter Flash Duplicator is easy—simply insert your master thumb drive and up to 11 blank devices, then press the OK button!

Asynchronous copying technology and a large memory cache allows for every slot to operate independently. Copy jobs of any size (64 MB on-board memory with 3-slot configuration, 256 MB for 7- and 11-slot systems) and permit target devices to be unloaded and loaded on the fly.

#### Specifications

- Supports all current Flash media formats, storage capacities, and brands
- Available in 3, 7, & 11 recording slots
- Standalone—No PC required
- 64 MB on-board memory for 3-slot system; 256 MB on-board memory for 7 and 11-slot systems
- Record Speed: 10 MB/sec
- Erase function removes data from flash drives
- One-year warranty
- Power supply: 72W 90V ~ 240V AC

### CopyWriter Live! • Live-to-CD Audio Recording

Record from practically any audio source, including live feed from a microphone, cassette deck, mixer, and many other sources. Make a high-quality CD on the first try, every time, or make back-up copies of audio or data for long-term storage. CopyWriter Live is the only direct-to-disc audio recorder that features the ability to continually record by seamlessly utilizing the second recorder as the first becomes full. Record for hours on-end with Microboards' exclusive spanning feature! Also, record to both discs simultaneously from the same audio input using the TWIN recording feature.



#### Specifications

- Two 20X CD drives
- Disc-to-disc spanning—a Microboards exclusive feature!
- Record 2 identical discs simultaneously using the TWIN setting
- Create tracks with Record and Pause
- 2U rackmount kit included
- LCD system display
- 2 pairs of RCA inputs
- One 1/4-inch microphone input
- One pair of XLR (balanced) inputs

### DISC Blu-ray Jukeboxes

The DISC BD Series is a modular design product family utilizing the Blu-ray technology with 100 GB per media, perfect for mass archival. The DISC BD Series capacity ranges from 1 TB to 34 TB and provides up to 14 parallel data streams of 9MB/s. WORM and rewritable media are supported. Offline data management is maintained by intelligent pack technology.

- Modular design for individual configurations
- Pack technology for offline management
- Blu-ray technology
- Green IT solution, lowest energy usage in its class
- Redundant power supply option
- Multiple LVD busses
- Built-in diagnostics



### POINT Jukebox Manager

POINT Jukebox Manager makes integration of optical storage devices into an existing IT infrastructure a simple, straightforward process.



- Supports all optical jukeboxes (CD, DVD, MO, UDO, Blu-Ray)
- Transparent read-write access to optical jukeboxes
- Permanent, write-once data storage
- Meets all requirements for compliance

### DISC Blu-safe

DISC's new Blu-safe enables businesses to store and access file-based data with up to 750GB capacity on 50GB Blu-ray media through an automated data migration process, for approximately 200 hours of HD video, 25 million pages of text or 150,000 high-res digital photos.



- 1 Blu-ray® multi-recorder
- 15-slot media changer for memory management
  - Optional slot for HD player
- Transfer rate: 18 MB/s

## Rimage 2000i Disc Publisher



The Rimage 2000i is one of the most versatile desktop CD/DVD recorder and direct to disc publishing system available. The large 100-disc input bin allows you to handle your unique CD/DVD publishing projects, large or small. Whether you need one disc or several hundred, the Rimage 2000i records your unique content and prints customized graphics and text directly on the disc for a complete, professional publishing solution. The 2000i becomes networkable with OfficeNet software. (Call for more info.)



### 2000i Specifications

- 100-disc input capacity
- Two high-speed CD/DVD combo recorders
- Integrated Rimage 480i printer
- 15.75" H x 21" W x 20" D
- 58 lbs. (26.31 kg)

### Standard System Requirements

- Win 2K, SP4, XP Pro, SP2+, Server 03, Vista
- Intel Celeron 2.0 GHz w/ 512 Mb RAM
- Fixed storage: (2) 36 GB, 7200 RPM
- I/O: USB port
- USB interface



MICROBOARDS  
Technology

# RIMAGE DISC PUBLISHERS

## Rimage Producer Series • 6100N, 7100N, 8100N



The Producer Series provides ultimate throughput, full-blown networking, and 'hands-off' operation.

These are the most robust systems in the Rimage product line and are feature-filled with robotics designed for high duty cycles for demanding applications in industrial and commercial environments.

The 6100N is a 1-drive CD/DVD recorder. The 7100N has 2 drives, and the 8100N has 4. Upgrade to the "N" Series and get a built-in control center. Each offers an Everest or Prism printer.

### 6100N/7100N/8100N Specifications

- 300-disc capacity (three 100-disc bins)
- Everest 600 or PrismPlus! printer
- Producer III software suite included
- 1 CD/DVD combo drive (6100) or 2 CD/DVD combo drives (7100) or 4 CD/DVD combo drives (8100)
- Blu-ray Disc recorder(s) optional
- "N" Series include built-in control center

## Rimage Professional Series • 5100N, 5300N



Professional quality on-demand CD/DVD publishing has never been easier or more affordable thanks to the Professional series network attached design. The Rimage 5100N and 5300N require no host PC and have 12"x24" footprints. With built-in Everest 600 thermal direct-to-disc printing, it also delivers beautiful, indelible images that won't run, smudge, or scratch.

The "N" Series feature an embedded control center, one (5100N) or two (5300N) CD/DVD recorders (Blu-ray optional), an Everest 600 printer, 50-disc input bins, and patented disc output sorters.

### 5100N/5300N Specifications

- Recorders: 1 (5100N), 2 (5300N)
- Disc Input: (1) 50-disc bin (5100N), (2) 50-disc bins (5300N)
- Systems include embedded PC
- Disc Output: (1) 75-disc bin (5100N), (1) 100-disc bin, (5) 1-disc trays (5300N)
- Integrated Everest 600 thermal printer
- Blu-ray recorder optional
- Approximately 12" x 24" footprint

## AutoEverest 600 Printer



### AutoEverest 600 Specifications

- Print technology: Thermal retransfer
- Resolution: 600x600 dpi
- Print speed: 3-color CMY 60 seconds per disc
- Color technology: 3-color CMY ribbon
- Interface: Serial, USB 2.0

## AutoPrism Printer



### AutoPrism Specifications

- Print technology: Thermal
- Resolution: Normal mode 300x300 dpi
- Print speed: Monochrome black normal mode 5 seconds per disc
- Approximately 2100 images per ribbon (black, text only)
- Interface: Serial, USB 2.0

800.646.8881 [microboards.com](http://microboards.com)

Blu-ray Disc™

DVD

COMPACT  
DISC

# RECORDABLE MEDIA



## Taiyo Yuden is now JVC! CD-R/DVD-R

At Microboards, we think a recordable CD or DVD is a work of art itself—weight, balance, shape, and composition, all working in perfect harmony. So when you go to print the label and burn the disc, we understand all too well that you want your digital content to be delivered perfectly, too.

- Widest record and playback compatibility
- Medical applications: FDA 510K, approval, Document B032976, Owner Operator 9044305
- Writes all forms of audio and data
- ISO 14001 certified manufacturing
- Zero wave distortion
- Lowest jitter and deviation levels
- Lowest Bler, E12, and E22 error rate in the industry
- Lowest failure rate of any media on the market!
- 100-year durability data integrity guarantee



## JVC WaterShield CD-R & DVD-R

Unlike normal inkjet discs, WaterShield is water resistant, scratch resistant, and features a glossy finish. WaterShield blank media for inkjet disc printers is now available in both white (CD & DVD) and silver (CD only)! WaterShield blank media is the best way to ensure your discs stay protected from harsh everyday elements. WaterShield discs repel water and protect from wear and scratches.

- Works in any inkjet disc printer
- Water Resistant
- Scratch Resistant
- Fade Resistant
- Available in white or silver printable surfaces
- 50-disc spindles
- 52X CD-R / 18X DVD-R
- Same specifications as Taiyo Yuden media listed above



## LightScribe CD-R, DVD-R, DVD+R Media

Microboards LightScribe media is an all-in-one recording and labeling solution for owners of LightScribe-enabled burners or LightScribe duplicators. After recording content on a Microboards LightScribe media, simply flip the disc over and put it back in the drive to burn a custom disc design directly on the disc's label-side surface. No expensive equipment to print with, no sticky labels or stinky black markers - just a professional looking disc with your custom label etched on top.

- CD-R** • LS-CDR80-50Y • 50-disc spindles, 300 per carton, 52X compatible, 80 minutes, 700 MB
- DVD+R** • LS-DVD+R-50Y • 50-disc spindles, 300 per carton, 18X compatible, 4.7 GB
- DVD-R** • LS-DVD-R-50Y • 50-disc spindles, 300 per carton, 18X compatible, 4.7 GB



## Microboards Blu-ray Media

Trust Microboards Blu-ray media for recording and archiving your most important videos and data. Perfect for use in Microboards tower duplicators, Microboards' Blu-ray media comes in 25-disc spindles and records at 4X. Featuring white inkjet printable and silver lacquer printable surfaces, the Blu-ray media works with Microboards disc printers and publishers. It's the low-cost Blu-ray media solution!

- BD-WIJ-400 (White inkjet printable)
- BD-LTM-400 (Silver Lacquer thermal printable)
- Capacity 25 GB (single-sided)
- Write Speed Up to 4X
- Surfaces: White inkjet printable and Silver Lacquer thermal printable
- Packaging: 25-disc cakebox
- 8X achieved in specific recorders; Call for more info



## TDK • Verbatim • Imation • Other Recordable Media

Microboards offers a variety of media from other trusted manufacturers, including TDK, Verbatim, and Imation! We are proud to carry CD, DVD, and Blu-ray recordable media of all sorts to meet your specifications and needs. For a complete list, please log on to microboards.com.



Microboards also offers USB Flash Drives in a variety of colors, shapes, and sizes. Log onto microboards.com for more information.



800.646.8881 [microboards.com](http://microboards.com)

