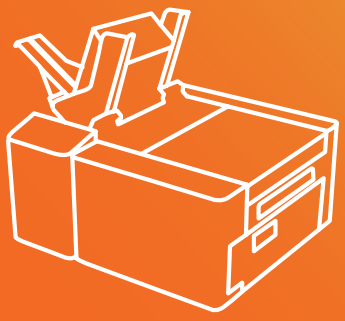
MACH 5



quadient
Because connections matter.

Digital Printer

Perfect mix of speed and color for direct marketing campaigns

BACKED BY THE EXPERTS
Gartner, IDC, Forrester, and Aspire

EXPERIENCE
A rich history of world-class leadership

PROVEN RESULTS
97% customer satisfaction rate

EXPERTISE
7 trillion personalized experiences annually

Perfect mix of speed and color

The MACH 5 printer from Quadient is the world's first printer to leverage patented Memjet® technology to dramatically improve direct mail and transpromotional marketing – at an extremely low total cost of ownership.

It allows mail centers, print shops and marketers of all sizes to take advantage of exceptional color printing fidelity and printing speed across a wider variety of paper and label stocks than ever before. The MACH 5 is ideally suited for applications such as envelopes and stationery, wedding, birthday, holiday cards and special event invitations printing, mail addressing and barcoding, postage printing, and more.

Exceptional print quality plus speed translates into your lowest cost per piece and fastest ROI for direct mail and transpromotional marketing printing.

Quick facts:

- **Prints in brilliant full color at a resolution of 1600 x 1600 dpi**
- **Operates at speeds up to 7,500 #10 envelopes per hour for unmatched color throughput**
- **Automated print head cleaning and capping system maintains print quality**
- **Revolutionary technology reduces the cost per piece**

mColor

Quadient's optional mColor RIP & Workflow Software incorporates color management tools, production job presets, hot folders and the powerful Harlequin® RIP engine into one workflow product. mColor delivers predictable and repeatable standardization of color and improves overall image quality.

With its easy-to-use job workflow interface, mColor provides the tools to automate production, manage jobs and deliver professional color quality control to the Quadient MACH 5.

Advanced Color Management and Spot Matching

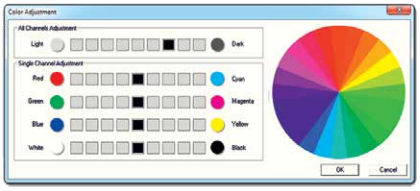
The mColor RIP provides the tools to edit spot color without being a color expert. Adapt spot color to match existing color specifications painlessly. mColor identifies colors in your image automatically. Users can then print out color swatches on their material for comparison, adjust the colors, then print the finished item.

Harlequin® Rip Technology

For commercial printing you need robust and reliable RIP software that gives high performance and productivity to maximize output quality. That's why we built mColor based on the state-of-the-art Harlequin® RIP – the expert printer's choice.

ICC Profiles

Built in ICC color profiles ensure the best possible output on a wide variety of papers. The examples shown compare the difference of one file printed on the same grade envelope, using the Windows® driver versus the mColor software.



Workflow Productivity

Submit, manage and preview jobs anywhere on the network from a Mac® or PC. Store and save print files and configurations for future use, making repeat jobs quick and easy.

Optimized color for direct marketing campaigns

MACH 5 shown with optional conveyor/stacker

Powered by memjet®

The print head is the key
It has a single 8.77" bar that spans the width of the printing surface. Unlike conventional printers that must traverse back and forth across the page, this system has a fixed head that prints as the media continuously moves along at speeds up to eight times faster.

Capable of 6" per second at 1600 x 1600 dots per inch (dpi) print resolution, and 12" per second at 1600 x 800 dpi resolution, it offers production speeds of up to 7,500 #10 envelopes per hour – compared to toner-based printers (e.g., LED and laser printers) that are limited to 3,000 pieces per hour at 1200 dpi.

mColor

mColor Server Recommended System Requirements

- 3 Ghz Dual/Quad Core, Core i5 or i7 is recommended, SSE 4.2 required
- 1 available USB 2.0/3.0 port for dongle
- Windows PC running Windows 10 Pro, 64-bit, with full admin rights
- 4 GB RAM (8 GB recommended)
- DVD ROM Drive - to install software
- 100/1000 Network Interface Card

Server requirements vary based on production volume demands and the number of client and RIP connections.

An active network or Internet connection is required to use mColor.

For best performance, it is recommended that the mColor Server software be loaded onto a dedicated computer.

WiFi connection from mColor Client to mColor Server PC is not recommended.

mColor PC Client Minimum System Requirements

- 2 Ghz Dual Core or higher processor
- Clients are available for Windows 7 Pro, Windows 8/8.1 Pro. "Home" versions of the operating system are not supported.
- 4 GB RAM
- 100/1000 Network Interface Card

mColor Mac® OS X Client Minimum System Requirements

- OS X 10.7 - 10.14. Mac OS 10.15 (Catalina) is NOT supported.
- 2 GB RAM or more

Recommendations do not include the requirements for other workstation software.

SPECIFICATIONS

Print resolution	Up to 1600 x 1600 dpi
Print speed	Up to 3,600 pages/hr. Up to 7,500 #10 envelopes/hr.
Print area	Up to 8.77" W x 17" L (including bleed area)
Material size min (W x L)	3" x 4.125"
Material size max (W x L)	9.5" x 17"
Material thickness	Up to 0.5 mm / 1/48" / 430 gsm
Ink capacity	250 ml – Cyan, Yellow, Magenta; 500 ml – Black
Color matrix	Up to 16.8 million colors
Memjet® technology	
High-capacity ink tanks	
Fixed head design	
Automatic print head cleaning and capping station	
Built-in top load feeder	
Pressure roller transport system with star rollers	
TrueType® or PostScript® system fonts	
Electronic firmware update downloads via PC connection	
USB 2.0 and ethernet PC interface	
Electrical	100-240 VAC, 50/60 Hz, 2.5 A

OPTIONS

Conveyor stackers	Available
Mail and color management software	Available

APPROXIMATE SYSTEM DIMENSIONS

Mach 5	21" W x 24" L x 14.5" H - body only 21" W x 31" L x 21" H - including guides
Weight	90 lbs.

WE'VE GOT YOU COVERED

Quadient maintains a network of offices across the country to provide local customer support and trained technicians who are ready to assist you. You can be confident that when you need knowledgeable support or expert service, the point-of-contact will be a Quadient office in your area consisting of a team of local professionals.

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About Quadient®

Quadient is the driving force behind the world's most meaningful customer experiences. By focusing on Intelligent Communication Automation, Parcel Locker Solutions and Mail-Related Solutions, Quadient helps hundreds of thousands of customers worldwide simplify the connection between people and what matters. For more information about Quadient, **visit quadient.com.**

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