

PostScript Power And Flexibility!

The QMS-PS® 410 Printer. Developed by the greatest minds in the industry. . . Yours.

Before creating the QMS-PS 410, we performed one very important task. We listened. Then we took everything we heard, added a few surprises, and built an innovative laser printer at an affordable price.

You said make it Adobe® PostScript®. So we did. And now you can enjoy the design flexibility only PostScript offers as well as 45 resident typefaces and thousands of PostScript software applications.

You said make it reliable. So we used the Canon® LX print engine manufactured by the world leader in high-quality, easy-maintenance print engines.

You said make setup easy. So we made it truly and completely plug-and-play. Out of the box, it connects to IBM® PC and compatibles, Apple® Macintosh® and mini and mainframe computers.

You said make it flexible. So we added HP® LaserJet® Series II emulation to support non-PostScript printing applications.

You said make it simple. So we gave the QMS-PS 410 the intelligence to actually "think for you" by automatically switching between emulations and interfaces! This printer has ESP (Emulation Sensing Processor) technology,* which interprets incoming data and *automatically* chooses the appropriate printer language. And you can send data *simultaneously* to its AppleTalk®, serial and parallel interfaces! There's no need to change switch settings or send complicated software commands.

You said make it fast. So we created a super-fast controller with a 68020 processor and third generation QMS® ASAP™ (Advanced Systems Architecture for PostScript) technology, which incorporates the latest in component and controller design.

You said make it expandable. So we made a variety of options available, including an HP-GL® emulation card, Adobe typeface cards, HP-compatible font cards, memory upgrades and extended paper handling capabilities.



POSTSCRIPT®

For More Information About The QMS-PS 410, Call The QMS Office Nearest You.

You see, listening to you gave us the insight to develop a printer that offers real world solutions to real world problems. And the QMS-PS 410 delivers PostScript power and flexibility by giving you more solutions than any other printer on the market.



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*Patent Pending

QMS-PS 410 Printer

Resident Typefaces

Times®
Times Italic
Times Bold
Times Bold Italic

Helvetica®
Helvetica Oblique
Helvetica Bold
Helvetica Bold Oblique

Palatino®
Palatino Italic
Palatino Bold
Palatino Bold Italic

ITC Bookman® Light
ITC Bookman Light Italic
ITC Bookman Demi
ITC Bookman Demi Italic

ITC Avant Garde® Gothic Book
ITC Avant Garde Gothic Book Oblique
ITC Avant Garde Gothic Demi
ITC Avant Garde Gothic Demi Oblique

New Century Schoolbook
New Century Schoolbook Italic
New Century Schoolbook Bold
New Century Schoolbook Bold Italic

Adobe Garamond™ Regular
Adobe Garamond Italic
Adobe Garamond Semibold
Adobe Garamond Semibold Italic
Adobe Garamond Bold
Adobe Garamond Bold Italic

Helvetica Narrow
Helvetica Narrow Oblique
Helvetica Narrow Bold
Helvetica Narrow Bold Oblique

Helvetica-Condensed
Helvetica-Condensed-Oblique
Helvetica-Condensed-Bold
Helvetica-Condensed-Bold-Oblique

Courier
Courier Oblique
Courier Bold
Courier Bold Oblique

ITC Zapf Chancery® Medium Italic
â/¥&©® (Symbol Set)
©©*** (ITC Zapf Dingbats®)

All Typefaces have multilingual character sets.

Technical Specifications

Standard Equipment

- Print engine with internal controller (2MB RAM, expandable to 6MB; 1MB ROM).
- One output tray.
- One toner cartridge.
- Power cord.
- User's guide.
- PS Executive Series™ utilities software – A collection of useful utilities for both PC and Macintosh® computers.

Optional Equipment

- RAM upgrades – 1MB, 2MB, and 4MB plug-in RAM cards can expand printer memory to 6MB RAM.
- 250-sheet lower paper cassette.
- Letter, legal, A4, special A4 and envelope trays designed to fit optional lower paper cassette.
- Adobe® PostScript® font cards for additional PostScript typefaces.
- HP® compatible font cards.
- HP-GL® emulation card.

Print Engine

- Model – Canon® LBP®LX.
- Print Method – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- Resolution – 300 x 300 dots per inch.
- Print Speed – 4 pages per minute.
- Toner – Single component, dry toner in user-replaceable cartridge.
- Toner Cartridge Life – 3,500 prints at normal (5%) page coverage.
- Warm-up Time – Less than one minute from a cold start.
- Recommended Duty Cycle – 6,000 pages per month.

Controller

- Type – 68020 MPU-based internal controller operating at 16.67 MHz.
- Technology – Utilizes ASAP™ III (Advanced System Architecture for PostScript) proprietary controller technology developed by QMS. This third generation architecture eliminates hardware bottlenecks to give faster "first-page-out" performance.
- Memory – 2MB RAM and 1MB ROM standard. Expandable to up to 6MB of RAM with memory upgrades.
- Printer Language – Adobe PostScript page description language.
- Typefaces – 45 resident Adobe PostScript typefaces, which can be scaled from four points upward and rotated to any angle in one degree increments. Contains the same resident fonts available on the HP LaserJet® Series II printer. Also accepts Adobe Type 1 downloadable typefaces. All Adobe typefaces have multilingual character sets.
- Graphics – Up to full legal-size (special A4) page of bit mapped graphics. All text and graphics can be scaled, rotated, pattern-filled, halftoned, shaded, shadowed and cropped.
- Type Rendering – Utilizes Adobe's newest ATM™ (Adobe Type Manager™) technology giving enhanced typeface resolution.

- Printer Emulations – Standard – HP LaserJet Series II (HPPCL® Level 4) Optional – HP 7475A plotter (HP-GL) via front panel plug-in card.
- Emulation Sensing Processor (ESP) Technology* – Controller interprets data stream to determine if file is in PostScript or HPPCL format and automatically selects the appropriate operating mode. Also determines if file is in HP-GL format if the optional HP-GL emulation card is used.

Interfaces

- Host – AppleTalk®/LocalTalk®, RS-232-C serial and high-speed parallel.
- Simultaneous Interface Operation – Allows all three interfaces to be attached to host computers at the same time and receive data simultaneously.

Paper Handling

- Page Sizes Supported by Multipurpose Tray –

Letter:	8.5" x 11"	(216mm x 279mm)
Legal:	8.5" x 14"	(216mm x 356mm)
Executive:	7.25" x 10.5"	(184mm x 267mm)
A4:	8.28" x 11.69"	(210mm x 297mm)
B5:	7.16" x 10.12"	(182mm x 257mm)
- Weights – Standard Cassette: 16-28 lbs. (60-105 g/m²). Optional Cassette: 16-28 lbs. (60-105 g/m²).
- Special Stocks – Can handle special stocks including approved envelopes, labels and transparency film.
- Printable Area – Actual maximum print area for all paper sizes is 0.2" (5mm) in from all edges.
- Paper Loading – Cut sheet paper from multipurpose input tray or optional cassette.
- Paper Input – Standard – One 50-sheet multipurpose tray. Optional – One 250-sheet paper cassette.
- Additional letter, legal, A4, special A4 and envelope trays designed to fit the optional paper cassette are available.
- Paper Output – 50 sheets face down or 20 sheets face up; user-selectable.

Physical

- Type – Compact, desktop laser printer with internal controller.
- Dimensions – (W x D x H) 26.1" x 13.5" x 7.5" (663mm x 345mm x 191mm)
- Printer Weight – 26 lbs. (13.2 kg).
- Shipping Weight – 35 lbs. (15.9 kg).
- Warranty – One year parts and labor.

Electrical

- Power Requirements – 110/120v 60 Hz (220/240v 50 Hz.)
- Power Consumption – Less than .55 kva.

Environment

- Temperature Requirements – 50° to 90° F (10° to 32° C)
- Humidity – 20% to 80% RH
- Noise Level – Less than 53 dB (A)

Regulatory/Safety Conformity

- UL, FCC-B, TUV/GS, VFG 1046 and CSA

Specifications subject to change without notification

*Patent Pending.

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