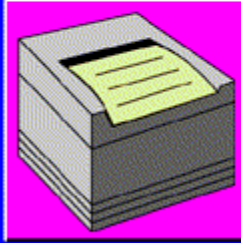# Welcome to the
HP Colour Printer Browser
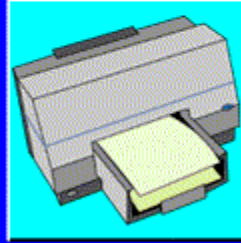
CLICK HERE FOR A FREE GIFT!

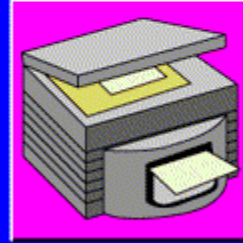*HP colour in the office... a little colour says a lot.*

Help

HP Color LaserJet 5 and 5M Printer

HP DeskJet 1600C and 1600CM Printer

HP CopyJet and CopyJet M Printer-Copier

Click on any icon to access information

HEWLETT PACKARD

Introduction Menu

- **How to use this guide**
- **Feedback about this guide**
- **Legal Information**
- **HP European Customer Support Centre**

How to use this guide (Using HP Colour Printer Sales Guide)

SELECTING PRODUCT INFORMATION

On entering the system, you are presented with a graphical representation of the main product/information areas.   Click on any icon to access the information relating to that area.   For example, click on the icon for HP Color LaserJet printer to bring up the following menu:

HP Color LaserJet 5 and 5M Printer

- Product Summary And Technical Specifications
- Positioning And Benefits
- Cost-Per-Page Summary
- Product And Accessories

READING PRODUCT INFORMATION

After clicking on the Color LaserJet 5 and 5M icon from the main section of the Welcome screen and choosing "Product Summary", you will see the information contained in the HP Color LaserJet data sheet. You can scroll up and down the information using the scroll bar, or click on the headings "Product Summary And Technical Specifications", "Positioning And Benefits" or "Cost-Per-Page Summary" to move directly to that section.   Click on "Main Menu" to return to the welcome screen.

SELECTING A HELP TOPIC (UNDERLINED TEXT)

Click on underlined text to access further information on that topic.   To select a Help topic using the mouse, point to any underlined text and click the mouse button when the mouse pointer changes to a hand icon.   Alternatively, using the keyboard, press TAB to move to the underlined text and press ENTER.

There are two types of underlined text.   Click on a solid underline to quickly "go to" another section of information.   Click on a dotted underline to bring up a pop-up box, which will stay visible until you click the mouse button or press any key.

GENERAL POINTS

Contents   -   return to the Welcome screen.
Back   -   return to the previous topic.
History   -   view a list of previous topics and allows you to move rapidly to any one of them.
File Print   -   print any topic.
Edit Copy   -   copy any topic or part of any topic for pasting into another document.
Exit   -   end the program.

The information in this document is subject to change without notice.

Clicking here would take you to the HP LaserJet **Product Summary And Technical Specifications** menu.

Clicking here would take you to the HP LaserJet **Positioning And Benefits** menu.

Clicking here would take you to the HP LaserJet **Cost-Per-Page Summary** menu.

Clicking here would take you to the HP LaserJet **Product And Accessories** menu.

Legal Information

How to use this guide   **Feedback about this guide**   Legal Information
HP European Customer Support Centre   *Main Menu*

This electronic sales tool is the sole property of Hewlett-Packard and can be duplicated & distributed at will.

© Hewlett-Packard Company 1996
Version 1.1 June 1996

Trademarks and Registered Trademarks

Adobe and PostScript are trademarks of Adobe Systems Inc. which may be registered in certain jurisdictions. PANTONE is a registered trademark of Pantone, Inc.   MS-DOS and Microsoft are U.S. registered trademarks of Microsoft Corporation.   UNIX is a registered trademark of UNIX System Laboratories Inc.   As an Energy Star™ partner, HP has determined that these products meet the Energy Star guidelines for energy efficiency.

LocalTalk, EtherTalk and Macintosh are products of Apple Computer, Inc.   Windows and Microsoft LAN Manager are products of Microsoft Corporation.   Microsoft is a registered trademark of Microsoft Corporation.   IBM AIX and IBM LAN Server are products of International Business Machines Corporation.   Novell and NetWare are registered trademarks of Novell, Inc.   SunOS is a product of Sun Microsystems.   UNIX is a registered trademark in the U.S. and other countries, licensed exclusively through X/Open Ltd.   All other brand and product names are trademarks or registered trademarks of their respective companies.   The information in this document is subject to change without notice.

© Hewlett-Packard Company 1996

HEWLETT PACKARD

Feedback about this guide

How to use this guide   Feedback about this guide   Legal Information
HP European Customer Support Centre   *Main Menu*

Click Here To Print Fax Sheet...

Feedback About The HP Colour Printer Browser

Name: _____

Phone #:   _____

Fax #:   _____

Country: _____

Fax To: The HP peripherals sales tool team
FAX: (49).70.31.14.49.56

Comments and remarks about this tool:

We appreciate your feedback, it helps us improve our future version of this tool.

HP European Customer Support Centre

How to use this guide   **Feedback about this guide**   **Legal Information**
HP European Customer Support Centre   *Main Menu*

European Customer Support Centre Products and Services
The European Customer Support Centre (ECSC) is a telephone support center for HP CPO products, located in Amsterdam, the Netherlands.   The products listed here are supported at the ECSC.   Products not listed and products out of warranty are not supported at the ECSC and should be referred to the local Customer Response Center.   The ECSC is open during the times listed below, Central European Time.   On public holidays the ECSC is staffed to meet local holiday schedules for each language supported.   Please see the end of this document for definitions of abbreviations and terms.

Peripherals & Supplies

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP LaserJet					Danish: +31 20 681 6171
HP LaserJet 4 Family	1 year	Return to HP	-->	Local office	
HP LaserJet 4Si	1 year	Onsite	-->	Local office	Dutch: +31 20681 64 73
HP LaserJet 5 Family	1 year	Return to HP	-->	Local office	
HP LaserJet 5Si	1 year	Onsite	-->	Local office	
HP Color LaserJet 5/5M	1 year	Onsite	-->	Local office	English: +31 20 682 82 91

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP DeskJet					or: 0891 391 000
HP DeskJet 500C	3 years	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 510	3 years	Unit exchange	approx 5 working days	ECSC	Finnish: +31 20 681 12 14
HP DeskJet 520	3 years	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 540	3 years	Unit exchange	approx 5 working days	ECSC	French: +31 20 681 82 60
HP DeskJet 550C	3 years	Unit exchange	approx 5 working days	ECSC	or: 3670 39 49
HP DeskJet 560C	3 years	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 600	3 years	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 660C	3 years	Unit exchange	approx 5 working days	ECSC	German: + 31 20 681 71 74
HP DeskJet 850C	1 year	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 310, 320, 340	1 year	Unit exchange	approx 5 working days	ECSC	Italian: +31 20 581 33 18
Sheet feeder (for portables)	1 year	Unit exchange	approx 5 working days	ECSC	Norw: +31 20 682 00 94
Portable Sheet Feeder for DJ 340	1 year	HP First Utility	approx 5 working days	ECSC	
Mac Adapter for DeskJet 340	1 year	Return to HP	approx 5 working days	ECSC	
HP DeskJet 400	1 year	Repair/Return	approx 5 working days	ECSC	
HP DeskJet 1200C (and PS)	1 year	Unit exchange	approx 5 working days	ECSC	
HP DeskJet 1600C (and M)	1 year	Unit exchange	approx 5 working days	ECSC	Spanish: +31 20 581 33 19
Optional paper tray (for 1600C (M))	1 year	Unit exchange	approx 5 working days	ECSC	or: 906 39 10 00

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP DeskWriter					
HP DeskWriter C	3 years	Unit exchange	approx 5 working days	ECSC	Swedish: +31 20 681 80 25
HP DeskWriter 510	3 years	Unit exchange	approx 5 working days	ECSC	
HP DeskWriter 520	3 years	Unit exchange	approx 5 working days	ECSC	Opening times of
HP DeskWriter 540	3 years	Unit exchange	approx 5 working days	ECSC	peripherals group, except
HP DeskWriter 550C	3 years	Unit exchange	approx 5 working days	ECSC	scanners (see below):
HP DeskWriter 560C	3 years	Unit exchange	approx 5 working days	ECSC	M,Tu,Th,F: 08.30 - 18.00
HP DeskWriter 660C	3 years	Unit exchange	approx 5 working days	ECSC	Weds: 08.30 - 16.00
HP DeskWriter 600	3 years	Unit Exchange	approx 5 working days	ECSC	
HP DeskWriter 310, 320, 340	1 year	Unit exchange	approx 5 working days	ECSC	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP JetDirect Cards					
HP JetDirect product family	1 year	Return to HP	-->	Local office	
HP JetDirect EX PLUS3	3 year	Return to HP	-->	Local office	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Fax					
HP Fax 900, German	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Note: Faxes supported in
HP Fax 900, UK	1 year	Unit exchange	approx 1-2 wkg days	ECSC	German and English only
HP Fax 950, German	1 year	Unit exchange	approx 1-2 wkg days	ECSC	
HP Fax 950, UK	1 year	Unit exchange	approx 1-2 wkg days	ECSC	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Multifunction					
HP OfficeJet LX, German	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Note: OfficeJets
HP OfficeJet LX, UK	1 year	Unit exchange	approx 1-2 wkg days	ECSC	supported in German,
HP OfficeJet LX, French	1 year	Unit exchange	approx 1-2 wkg days	ECSC	English, French and
HP OfficeJet LX, Dutch	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Dutch only
HP CopyJet/M	1 year	Unit exchange	approx 5 wkg days	ECSC	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Scanner					
HP ScanJet IIP	1 year	Return HP	-->	Local office	Note: Scanners
HP ScanJet IIC	1 year	Return HP	-->	Local office	supported in German,
HP ScanJet IICX	1 year	Return HP	-->	Local office	English, French,
HP ScanJet 3P	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Italian, Spanish and
HP ScanJet 3C	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Dutch only
HP ScanJet 4S	1 year	Unit exchange	approx 1-2 wkg days	ECSC	
HP ScanJet 4C	1 year	Unit exchange	approx 1-2 wkg days	ECSC	
HP ScanJet 4P	1 year	Unit exchange	approx 1-2 wkg days	ECSC	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Network Scanner					
HP ScanJet 4Si	1 year	Unit exchange	approx 1-2 wkg days	ECSC	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Plotter					
HP DesignJet 200	1 year	Onsite	-->	Local office	Opening times for
HP DesignJet 220	1 year	Onsite	-->	Local office	Fr/It/Sp Plotter Grp:
HP DesignJet 230	1 year	Onsite	-->	Local office	M-F: 08.30 - 18.00
HP DesignJet 250C	1 year	Onsite	-->	Local office	
HP DesignJet 600	1 year	Onsite	-->	Local office	
HP DesignJet 650C	1 year	Onsite	-->	Local office	Note: Plotters supported
HP DesignJet 650C/PS	1 year	Onsite	-->	Local office	in German, English,
HP DesignJet 750C	1 year	Onsite	-->	Local office	French, Italian, Spanish
HP DesignJet 755CM	1 year	Onsite	-->	Local office	and Dutch only

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Mass Storage & Supplies					ECSC Support Tel. #
SureStore Tape family	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Dutch/Eng:
SureStore SCSI Disk family	5 years	Unit exchange	approx 1-2 wkg days	ECSC	+31 20 682 2628
SureStore EIDE Disk family	3 years	Unit exchange	approx 1-2 wkg days	ECSC	French: +31 20 681 7750
SureStore Optical Jukebox family	1 year	Onsite	approx 1-2 wkg days	Local office	Italian: +31 20 581 3378
SureStore Optical (stand-alone)	1 year	Return to HP	approx 1-2 wkg days	Local office	German: +31 20 681 7810
SureStore CD-R	1 year	Unit exchange	approx 1-2 wkg days	ECSC	Spanish:+31 20 581 3379
JetStore family	1 year	Unit exchange	approx 1-2 wkg days	ECSC	
Jumbo 120	1 year	Unit exchange	approx 2 wkg days	ECSC	Opening times:
Jumbo 250	1 year	Unit exchange	approx 2 wkg days	ECSC	M-F: 08.30 - 18.00
Jumbo 700	2 years	Unit exchange	approx 2 wkg days	ECSC	
Jumbo 350	2 years	Unit exchange	approx 2 wkg days	ECSC	
Jumbo 1400	2 years	Unit exchange	approx 2 wkg days	ECSC	
Trakker 120	1 year	Unit exchange	approx 2 wkg days	ECSC	
Trakker 250	1 year	Unit exchange	approx 2 wkg days	ECSC	
Trakker 700	2 years	Unit exchange	approx 2 wkg days	ECSC	
Trakker 350	2 years	Unit exchange	approx 2 wkg days	ECSC	
HP Colorado T1000	2 years	Unit exchange	approx 2 wkg days	ECSC	
HP Colorado T1000e	2 years	Unit exchange	approx 2 wkg days	ECSC	
Power Tape 1100	1 year	Unit exchange	approx 2 wkg days	ECSC	
Power Tape 2400	1 year	Unit exchange	approx 2 wkg days	ECSC	
Power Tape 4000	1 year	Unit exchange	approx 2 wkg days	ECSC	

Note: Customers with HP SupportPack should contact the local Customer Response Center to arrange repair and for HP SupportPack questions. Note: Repair times are estimated and may vary by region.

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
PC's & Supplies HP Vectra					Dutch: +31 20 581 3331
HP Vectra M2 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	English: +31 20 581 3330
HP Vectra N2 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	French: +31 20 581 3332
HP Vectra VL2 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	Spanish: +31 20 581 3339
HP Vectra VL2e Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	German: +31 20 581 3333
HP Vectra VL2 5/60 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	Italian: +31 20 581 3338
HP Vectro VL3 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	Opening times:
HP Vectra VE Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	M-F: 08.30 - 18.00
HP Vectra VL 4 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP Vectra VE-2 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XM2 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XM3 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XM4 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XP Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra VT Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XU 5 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	
HP Vectra XU 6 Series	3 years	1 yr OS; 2 yrs RHP	-->	Local office	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
HP Vectra 500					Opening times: M,Tu,We,Th,F:
HP Vectra 500 Series	1 yr hw up to 3 months software	1 yr OS	-->	Local office	08.00 - 20.00 Weds: closed 16.00-17.00
* ECSC support tel.nr. will be given when customer registers.					Sat: 10.00-16.00

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Notebook					
HP Omnibook Model 300	1 years	Service Center	-->	ECSC/Service Center	
HP Omnibook Model 425	1 years	Service Center	-->	ECSC/Service Center	
HP Omnibook Model 430	1 years	Service Center	-->	ECSC/Service Center	
HP Omnibook Model 530	1 years	Service Center	-->	ECSC/Service Center	
HP Omnibook Model 600	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 600C	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 600CT	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 4000	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 4000C	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 4000CT	3 years	Fedex/Service Center	-->	ECSC/Service Center	
HP Omnibook Model 5000 Value line	1 year	Service Center	-->	ECSC/Service Center	
HP Omnibook Model 5000 CTS	3 years	Service Center	-->	ECSC/Service Center	

Model	Std. Warr.	Repair policy	Repair Time	Repair Contact	ECSC Support Tel. #
Netservers & Supplies					
HP Netserver LE Series	3 years	Onsite	-->	Local office	Dutch: +31 20 581 3331
HP Netserver LC Series	3 years	Onsite	-->	Local office	English: +31 20 581 3330
HP Netserver LF Series	3 years	Onsite	-->	Local office	French: +31 20 581 3332
HP Netserver LM Series	3 years	Onsite	-->	Local office	German: +31 20 581 3333
HP Netserver LH Series	3 years	Onsite	-->	Local office	Italian: +31 20 581 3338
HP Netserver LS Series	3 years	Onsite	-->	Local office	Spanish: +31 20 581 3339
HP Remote Assistant	3 years	Onsite	-->	Local office	
HP NetServer Assistant	n/a	n/a	no repair	back to dealer	
HP Disk Array Systems	3 years	Onsite	-->	Local office	
HP Disk Systems	3 years	Onsite	-->	Local office	
Workgroup Node Manager	n/a	n/a	no repair	back to dealer	Opening times:
HP PowerWise UPS 600, 900, 1250	2 years	Unit exchange	approx 5 working days	Local office	M-F: 08.30 - 18.00
HP PowerWise UPS 1000, 2100	2 years	Unit exchange	approx 5 working days	Local office	

Note: Customers with HP SupportPack should contact the local Customer Response Center to arrange repair and for HP SupportPack questions. Note: Repair times are estimated and may vary by region.

HP FIRST

HP FIRST is a free service that enables HP customers to receive documents on their fax machine Documents available include application notes, compatibility information for ECSC-supported products, driver order forms, and list of bulletin board numbers.

Opening times: 24 hours a day for all languages

Country / Language	HP FIRST #
Austria / German **	0660 8128
Belgium / Dutch	0800 11906
Belgium / French	0800 17043
Denmark / Danish	800 10453
Finland / Finnish **	9800 13134
France / French	05 905900
Germany / German	0130 810061
Italy / Italian	1678 59020
Netherlands / Dutch	06 022 2420
Norway / Norwegian **	800 11319
Portugal	505313342
Spain / Spanish	900 993123

Sweden / Swedish **	020 795743
Switzerland / French	155 1526
Switzerland / German	155 1527
United Kingdom / English	0800 960271
European number / English (toll line)	31206815792
Worldwide number (US)	12083444809

Bulletin Boards

The HP electronic bulletin service enables HP customers to download support information to their PC via modem. Information available includes updated versions of localized drivers and technical information on HP PC and peripherals products. Set the modem for no parity, 8 data bits, 1 stop bit.   Bulletins are maintained by each individual HP country organization.

Opening times: 24 hours a day for all languages

Country / Language	Bulletin Board #	Baud rate
Austria / German **	(1)865 8799	2400, 4800, 9600, 14400, 19200
Belgium / Dutch	(2)778 3819	1200, 2400, 4800, 9600
Belgium / French	(2)778 3819	1200, 2400, 4800, 9600
Denmark / Danish	(45)991905	300, 1200, 2400, 4800, 9600, 14400
Finland / Finnish **	(9600)7280	2400, 4800, 9600, 14400
France / French	3616 HP MICRO	1200 to 14400 (Service Minitel)
Germany / German	*HP#	Datex J-BTX system
Italy / Italian	(2)753 32 27	up to 14400
Netherlands / Dutch	(20)647 5433	2400, 9600, 14400
Norway / Norwegian **	(2)273 5697	2400, 4800, 9600, 14400, 19200
Spain / Spanish	No support	No support
Sweden / Swedish **	(8)750 6262	2400, 4800, 9600, 14400
Switzerland / French	(64)560200	up to 19200 or ISDN
Switzerland / German	(64)560200	"
United Kingdom / English	(1344)360880	up to 14400
	(1344)360890	(Dealer)
European number / English (toll line)	No support	No support
Worldwide number (US)	1 (208) 344 1694	300, 1200, 2400, 4800, 9600, 14400

*** In Austria, Finland, Sweden and parts of Norway, local toll costs are charged.*

Definitions of terms used:

-->	This arrow sign indicates that inquiries regarding repair time should be addressed to the local HP office.
1 yr OS; 2 yrs RHP	This abbreviation indicates that during the first year after purchase the product carries an Onsite warranty (see definition below), and during the two following years it carries a Return to HP warranty (see definition below).
ECSC Support Tel #:	ECSC support tel number refers to the telephone numbers of the ECSC by product and language. Opening hours are included for each group.
Onsite:	Onsite means that repair is arranged by the local Customer Response Center and carried out by a technician at the customer site. Qualification may be done either at the ECSC or the local Customer Response Center.
Repair Contact:	Repair Contact indicates the HP office that arranges for the repair, including taking customer information, logging repair requests, and answering questions about repair status.
Repair Policy:	Repair Policy describes the type of repair used for each product.
Repair Time:	Repair Time is the approximate time it takes to repair a product. Repair times are estimated and may vary by region. "-->" indicates that inquiries regarding repair for this product should be

addressed to the local HP office.

Return to HP: Return to HP means that the product is returned by the customer to the local HP service center for repair. Qualification may be done either at the ECSC or the local Customer Response Center. Refer to the local service center for turnaround time information.

Std. Warr: Std. Warr. refers to the standard warranty period of the product, as defined by the product division.

Unit Exchange: Unit Exchange indicates that during the first 30 days after purchase, the customer should return the product to the dealer, who will exchange the defective product for a new product. After 30 days the customer should be referred to ECSC for qualification. If the product is defective it will be exchanged at the customer location for a remanufactured unit. Repair is done centrally by Express Support Europe. In some situations the ECSC may propose a Repair and Return service to the customer as an alternative to a Unit Exchange, in this case the product is picked up, repaired centrally and returned to the customer.

HP First Utility: Connected to subcontractors to order drivers and accessories.

HEWLETT PACKARD

HP Colour in the Office - Summary Page

HP DeskJet 1600 C/CM   HP CopyJet/M   HP Color LaserJet 5/5M

19 ... **96**
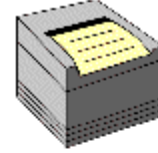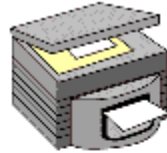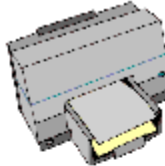
	HP DeskJet 1600 C/CM	HP CopyJet/M	HP Color LaserJet 5/5M
Product Summary	◆ Professional black and white and colour printing	◆ Convenient colour copying and network printing in one affordable product	◆ Breakthrough in colour laser print quality ◆ Confident colour printing
Features	◆ 600 x 600 dpi black with REt ◆ Fast office performance	◆ Brilliant colour and crisp text ◆ 300 x 300 dpi colour ◆ 600 x 300 dpi black and white	◆ 1200 dpi equivalent image quality ◆ Direct-to-drum imaging system
Key Benefits And Positioning	◆ Industry leader for inkjet printing in the office ◆ One purchase for colour and black and white printing	◆ Two-in-one convenience ◆ Low cost-per-page	◆ Industry leading cost of ownership ◆ All major network operating systems are supported

What can colour do for you

HP Colour is...

Reliability   Peripherals
Performance   Bright Ideas
Manageability   Colour Tips

And, it's affordable!

A Little Colour Says A Lot!

Fully supported by HP ECSC

Colour in business Documents...
*Enhances the appeal of bids and proposals
*Helps to communicate and clarify information
*Helps gain the competitive edge
*Helps win business!

**HP's fast network capable office printer -
with colour - for professionals.**

-Professional black and colour printing
-600 X 600 dpi black with REt
-Fast office performance
-Network capable
-Out-of-ink sensing
-Four high capacity print cartridges
-Optional 500-sheet paper tray
-12,000 page/mo duty cycle

The convenience of colour printing and copying in one affordable product.

-Two-in-one convenience
-Lowest inkjet cost-per-page
-Brilliant colour & crisp text
-Full featured colour copying
-Easy to share / network capable colour printing
-Four high capacity print cartridges with out-of-ink sensing

Breakthrough colour laser print quality that sets you and your business apart.

-Breakthrough Colour Laser print quality
-1200 dpi equivalent image quality (Image REt 1200)
-Office standard LaserJet quality text
-Industry leading cost of ownership
-Broad network support

What Can Colour Do For You?

Colour Is A Solution For Business

Colour has moved from a specialized or niche use to a business solution.   Colour is used to improve decision making and selling.   Colour aids in readership, and speeds comprehension and learning.

HP Has Removed The Barriers

Colour is not expensive.   Colour cost is similar to black, dot for dot. $0.12 for 40% coverage on LJ5 - cheaper than black and white.   PQ is awesome...CLJ5 leads the industry.

HP Has The Industry's Most Complete Office Colour Solution

Personal, workgroup, department printing.   Colour scanning.

Get People To Read Your Document

Colour attracts people.   And since it attracts us visually *and* emotionally, you can **use colour** to get people to look at what you print.   But what's even better?   According to studies, **people are 40% more likely to read your document if it's in colour.**   That means that people are **more likely to read what you print.**

Get People To Understand Your Point

Studies have shown that using colour can **increase the speed and accuracy** with which people understand your document.   Better than that, using **colour can make people remember** your point longer.

Sell Your Ideas Or...

We all need to sell something.   In school or at work, we need to sell our ideas.   In business, we need to sell products or services.   Studies have proven that the simple addition of **colour can increase the persuasive power** of your documents.

HEWLETT PACKARD   **How To Make Colour Work For You**

      Use colour to **help your reader pick out the most important words** in your document.   Black can be an effective colour when the rest of a sentence is in a cool colour, like blue or green.   **Use colour in text like you would use a colour highlighter** pen: only where you want emphasis.

FREE GIFT!

Click Here To Print Fax Sheet...

FAX back this completed form and we'll send you a

FREE Milk Chocolate Floppy Disk!

FAX to: 208-336-0576
Attn: Lisa Hudson, Creative Source International

Name:

Address:

City: State: ZIP:

Bus. Phone:

Comments about this disk:

HP Color LaserJet 5 and 5M Printer

Product Summary And Technical Specifications

Positioning And Benefits

Cost-Per-Page Summary

Product And Accessories

HP Color LaserJet 5 and 5M Printer **HEWLETT** **PACKARD**
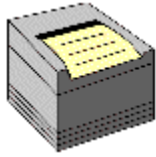
Product Summary And Technical Specifications   Positioning And Benefits   Cost-Per-Page Summary
Product And Accessories   *Main Menu*

Product Summary And Technical Specifications

Win business with a winning image − breakthrough colour laser printing...

Number

Standard Unit	Description
C3961A	HP Color LaserJet 5 printer-Includes 20 Mbytes RAM, IEEE 1284 ECP (bi-directional) parallel and MIO port, enhanced HP PCL 5 with colour, four separate toner bottles, toner collection kit, coating kit, imaging units (colour developer, black developer, print drum, transfer belt, fuser), one 250-sheet A4-size paper tray, power cord, drivers and documentation. Printer interface cables not included.
C3962A	HP Color LaserJet 5M printer-Includes 36 Mbytes RAM, IEEE 1284 ECP (bi-directional) parallel port, HP JetDirect Ethernet/LocalTalk print server, enhanced HP PCL 5 with colour, Adobe™ PostScript™ Level 2, four separate toner bottles, toner collection kit, coating kit, imaging units (colour developer, black developer, print drum, transfer belt, fuser), one 250-sheet A4-size paper tray, power cord, drivers and documentation. Printer interface cables not included.

With the HP Color LaserJet 5/5M printers, users get the best black and colour print quality available in a business printer, to get their message across more memorably.

The HP Color LaserJet 5/5M printers support many users with robust 30,000-page-per-month duty cycles, high-speed 40-MHz RISC processors, high-volume paper-handling options and 2-10 page-per-minute output speed.

HP Color LaserJet 5 and 5M printers use new HP Image Resolution Enhancement technology 1200 (HP Image REt 1200) to produce outstanding text, impactful graphics, and more vibrant colours than before

HEWLETT PACKARD millions of solid colours.

Print Quality	HP Color LaserJet 5 and 5M printer output is equivalent to 1200-dpi image print quality. HP Image REt 1200 uses a proprietary toner-on-toner process that varies and blends precise amounts of four process colours (cyan, magenta, yellow and black) to create millions of solid colours. The printer also uses a direct-to-drum imaging system to provide accurate colour placement. This process creates more accurate details, high-resolution text rendering and photorealistic results.

Speed and

Throughput	10-pages-per-minute (ppm) rated engine speed for black-and-white or single-toner colour documents; 2-3-ppm rated engine speed for colour paper documents; up to 1-ppm rated engine speed for HP Color LaserJet 5 and 5M Glossy Paper and HP Color LaserJet Transparency Film.

Typeface Capabilities	45 built-in scaleable typefaces (35 Intellifont, 10 TrueType). Additional 35 scaleable typefaces (Adobe Type 1 fonts) available with the HP Color LaserJet 5M printer or with optional Adobe™ PostScript™ Level 2 SIMM. The HP Color LaserJet 5M and HP Color LaserJet 5 printers are equipped with a PostScript SIMM accept all Type 1 typefaces. 32 internal symbol sets for Intellifont and 27 internal symbol sets for TrueType, plus line printer bitmap. Accepts downloadable Intellifont and TrueType typefaces. TrueType rasteriser for Windows PCL printer language and Adobe™ PostScript™ Level 2 software. HP FontSmart (65 additional TrueType screen fonts).

Memory	**HP Color LaserJet 5 printer:** 20 Mbytes standard RAM memory; additional 16 Mbytes required to print in PostScript with optional PostScript SIMM. Three universal SIMM slots available. Maximum available capacity including standard memory: 84 Mbytes. **HP Color LaserJet 5M printer:** 36 Mbytes standard RAM memory. Two universal SIMM slots available. Maximum available capacity including standard memory: 76 Mbytes. **HP Color LaserJet 5 and 5M printers:** HP Memory Enhancement technology (MEt) capability expands the printers' ability to handle complex documents using standard memory and HP PCL 5 with Colour language. Optional SIMM RAM memory modules: 1-, 2-, 4-, 8-, 16-, and 32-Mbyte (in any combination).

Connectivity	HP Color LaserJet 5 printer: IEEE 1284 ECP (bi-directional) parallel and open MIO slot. HP Color LaserJet 5M printer: IEEE 1284 ECP (bi-directional) parallel, HP JetDirect network interface print server for Ethernet (10Base-T and 10Base2 [Thin Coax]), and LocalTalk (DIN-8). HP Color LaserJet 5 and 5M printers: Network operating systems supported with appropriate HP JetDirect network interface print server inserted into printers' MIO slots: Novell NetWare (IPX/SPX), IBM LAN Server (LLC/DLC), Microsoft LAN Manager (LLC/DLC), Windows 95 Networking (IPX/SPX), Windows NT (LLC/DLC, TCP/IP), Windows® for Workgroups (LLC/DLC), HP-UX*, SunOS*, Solaris*, SCO UNIX®, IBM AIX** (TCP/IP), AT&T GIS SVR-4**, SG LAN Manager**, Tandem OS**, ICL UNIX**, DEC OSF/2 Ultrix**, SGI**, Apple EtherTalk System 6 and 7, lpd for UNIX and Windows NT. HP JetDirect print servers provide support for lpd protocol on TCP/IP for most UNIX-based systems. Optional HP JetDirect print server for Token Ring supports all listed network operating systems except AppleTalk.

Optional HP JetDirect EX Plus3 print server.
Optional HP JetDirect EX print server.
Automatic network protocol switching allows printer to simultaneously support multiple network operating systems.
HP JetDirect print servers support SNMP and HP JetAdmin printer management software.
MIO solutions for mini/mainframe environments and low-cost serial (RS-232/422) interfaces are available from third-party vendors; see the
HP Peripherals Connectivity Solutions Guide, p/n 5954-1616EUS, for more information.
*   Software support is required.   See below for ordering information.
** Software is supported directly from vendors listed.

Printer Languages

HP Color LaserJet 5 printer:
Enhanced HP PCL 5 with Colour; genuine Adobe™ PostScript™ Level 2 software available as an option.

HP Color LaserJet 5M printer:
Enhanced HP PCL 5 with Colour and genuine Adobe™ PostScript™ Level 2 software both standard.

Paper Handling

Standard 250-sheet letter- or A4-size tray (50-sheet input capacity for HP Color LaserJet Transparency Film or HP Color LaserJet 5 and 5M Glossy Paper).
Optional 250-sheet rear feed unit (50-sheet transparency capacity) with single-sheet manual feed.
Output tray holds 100 sheets.
Optional paper trays for letter, executive, and A4 sizes (colour and black-and-white printing); 11" x 17", A3, and legal sizes (black-and-white printing only).

Specifications

Paper Types   Copier, recycled paper - 75 to 90 g/m².
and Weights   HP Color LaserJet Transparency Film.
        HP Color LaserJet 5 and 5M Glossy Paper.
        Does not support printing of envelopes or labels.

Paper Sizes
and Printable
Surfaces   For colour and black-and-white printing: Letter - 216 x 279 mm (207 x 271 mm printable area).   A4 - 210 x 297 mm; (201 x 288 mm printable area).   Executive - 184 x 267 mm (175 x 258 mm printable area).
For black-and-white printing only, sizes listed above plus: Legal - 216 x 356 mm (207 x 347 mm printable area).
279 x 432 mm (271 x 423 mm printable area).   A3 - 420 x 297 mm (411 x 288 mm; printable area).

Standard Printer Software

HP Color LaserJet 5 printer:
HP PCL and PostScript LaserJet Printing System for Windows 3.1 and 3.11, Windows 95 and Windows for Workgroups   automatic driver installation

program, HP ColorSmart™, HP FontSmart with 65 TrueType screen fonts.

Windows PCL driver supports Windows 95 ICM.

DOS printer drivers-installation program and PCL drivers for WordPerfect®, Lotus® 1-2-3, and Harvard Graphics.

HP ColorSwatch on DOS disk.

OS/2 and Windows NT PCL drivers.

Pantone® certification.

HP JetAdmin software for Novell® NetWare®, Windows 3.1 and Windows 95.

HP print server NLM for NetWare.

HP Color LaserJet 5M printer:

All of the above software plus:

HP JetAdmin for IBM OS/2 LAN Server software.

Macintosh printer software: Installer, Adobe QuickDraw PostScript Level 2 driver, HP LaserJet Utility software.

OS/2 PostScript Level 2 driver.

Optional Printer Software	HP JetAdmin for UNIX software. HP ScanJet Copy utility to make copies using HP ScanJet scanner with HP Color LaserJet 5 and 5M printers.

Printing Process	Four-toner dry-type laser electrophotography. Direct-to-drum imaging. 300-dpi marking engine with HP Image REt 1200.

Control Panel	Bright vacuum fluorescent display - two 20-character lines. Messages can be displayed in 11 languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, or Swedish.

Operating and Environmental Ranges	Temperature for printer and toner: Operating 10° to 28° C. Storage 0° to 35° C. Altitude: Operating 0 to 3,100 m. Storage 0 to 4,600 m. Humidity: Operating 20% to 70% RH. Storage 10% to 80% RH. Acoustics: Operating/position-LPA 52 dB(A) printing. LPA 35 dB(A) standby. Sound power-LWAD=6.7 bels (A) printing. LWAD=5.2 bels (A) standby.

Power Requirements	Source: 115 to 127 volts (± 10%). Frequency: 60 Hz (± 3%). Source: 220 to 240 volts (± 10%). Frequency: 50 Hz (± 3%). Power consumption: Maximum 1,200 watts. Typical 475 watts (monochrome). Ready 150 watts. Energy Star powersave mode 45 watts or less.

Dimensions	Width: 620 mm. Depth: 490 mm. With optional 250-sheet rear feed unit: 625 mm. Height: 375 mm. Weight (without toner or options): 46.5 kg.

Product

Certification	UL 1950 listed; CSA 22.2-950 certified; complies with IEC 950/EN 60950, IEC 825/EN 60825, FCC Class B certified CISPR-22 level B, Product CDRH certified Class 1 Laser Product (safe for office/EDP use). NOM IEC 65. Korean Electric Wave Control Law. Novell certified.
Duty Cycle	Up to 30,000 pages per month.
Warranty	One-year on-site warranty on printer and original imaging units. 90-day warranty on replacement imaging units and toner supplies.

HP Color LaserJet 5 and 5M Printer

Product Summary And Technical Specifications   Positioning And Benefits   Cost-Per-Page Summary
Product And Accessories   *Main Menu*

Positioning And Benefits

Reliability	Performance and Print Quality	Manageability and Networkability
		HP JetDirect | HP JetAdmin
Results	Ease of Use	Cost
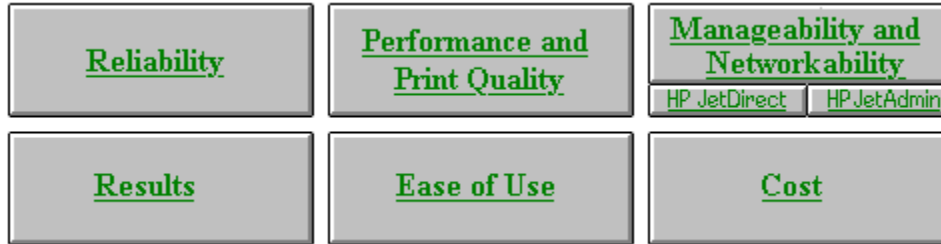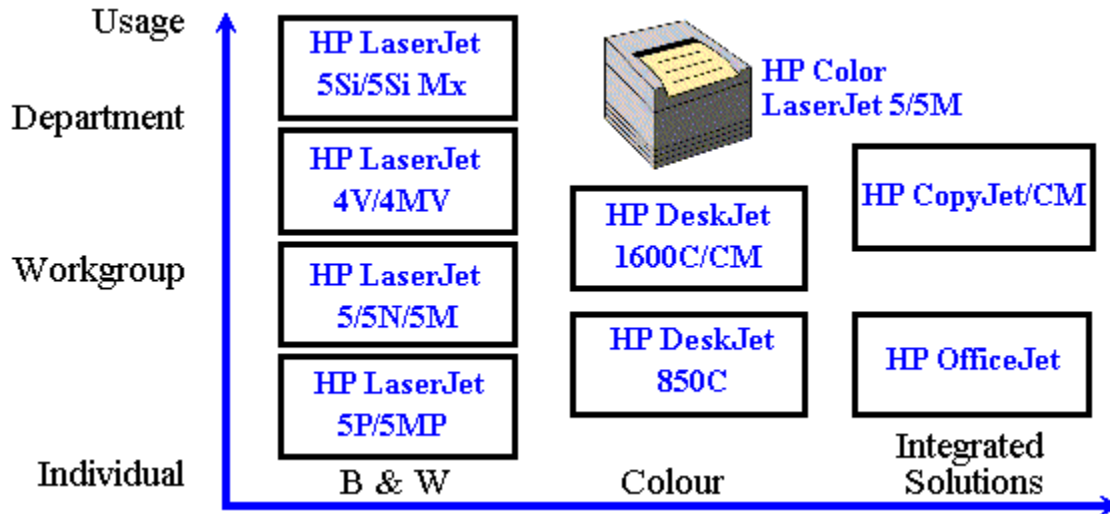
RELIABILITY

World class product support through HP ECSC.

One year on-site warranty on printer and original imaging units.   90-day warranty on replacement imaging units and toner supplies.

HP on-site warranties mean users won't be stuck without workable products.

Users get questions answered and problems solved quickly and easily through the European Customer Support Centre.

Provides the colour users want, with the dependability and reliability they've come to expect from HP.

Expected life span of consumables:

Expected life span   Expected life span

	in Number of pages	in Months
Toner	3000	1-2
Fuser	80000	40
Coating Kit	20000	6-10
Toner Collection Kit	20000	6-10
Black Developer	40000	20
Colour Developer	40000	30
Print Drum	30000	15-30
Transfer Belt	60000	30

PERFORMANCE AND PRINT QUALITY

Output equivalent to 1200-dpi image with HP Image REt 1200.

Direct-to-drum imaging system.

Photo realistic images and millions of solid colours.

10 ppm for monochrome, 2-3 ppm for colour.

40 Mhz AMD 29040 RISC architecture processor.

Duty Cycle: 30,000 pages per month.

Crisp, clean text, impactful graphics, and more vibrant colours than ever before.

Direct-to-drum imaging system provides better registration, truer colours and sharper text than other imaging systems.

HP's exclusive Image Resolution Enhancement technology 1200 (Image REt 1200) creates exact colours by blending toner particles forming a high resolution solid colour, providing optimum colour creation and toner blending for photorealistic output.

MANAGEABILITY AND NETWORKABILITY

HP JetDirect print server support for all major network operating systems.

Support for HP JetAdmin and HP JetPrint Network software utility.

All major network operating systems are supported with HP JetDirect print servers and HP JetAdmin management software (standard with HP Color LaserJet 5M printer, optional with HP Color LaserJet 5) giving optimum performance.

Enhanced HP PCL 5 with colour provides software support for all popular applications.

Large duty cycle make it possible for everyone within a department to share the benefits of having a HP Color LaserJet 5 or 5M printer.

HP Color LaserJet 5M has HP JetDirect Ethernet/LocalTalk card installed.

HP Color LaserJet 5 standard version has MIO slot for Token Ring or Ethernet/LocalTalk JetDirect.

Support of HP JetDirect EX MIO.

RESULTS

Output is permanent and water-fast.

Print colour on plain paper for easy to read output.

Prints on HP Color LaserJet 5 and 5M Glossy Paper or HP Color LaserJet Transparency film.

Add colour easily with "buttons" in popular software.

Easy-to-use HP ColorSmart software ensures vibrant colour.

Output is print permanent; won't smudge, smear or peel when exposed to sunlight or water.

Provides the flexibility to handle last-minute changes easily.

Fast print output: even complex documents are completed quickly for greater productivity.

EASE OF USE

HP ColorSmart™ software analyzes documents and precise images are rendered by automatically analysing incoming data, then applying the right colour and halftone qualities.

Produce documents in-house for flexibility and last-minute changes.

Media flexibility with two input sources and optional paper trays.

Standard 250 sheet input tray; a second input source is available allowing many people to print without the paper running out.
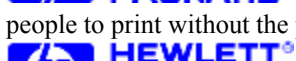
Documents print quickly for greater productivity.

Versatile printing: prints on plain paper as well as other mediums.

COST

Lowest cost-per-page for photo realistic quality in the industry.

Black and white printing comparable to any HP LaserJet output.

Replace each colour consumable separately, typical life of 3,000 pages or more.

Users will save money and time because outside service bureaus won't be needed.

Printer is equipped with ample memory to print complex documents -- no need to purchase additional memory.

Colour text and graphics print for as little as 5 cents-per-page (U.S).

Separate toner hoppers save users money by letting them replace each consumable as needed.

HP Color LaserJet 5 and 5M Printer

[Product Summary And Technical Specifications](#)   [Positioning And Benefits](#)   Cost-Per-Page Summary
[Product And Accessories](#)   *[Main Menu](#)*

Cost-Per-Page Summary

What Country Are You From?

Belgium   Denmark   Finland   France   Germany

Greece   Holland   Ireland   Italy   Norway

Portugal   Spain   Sweden   Switzerland   United Kingdom

HP Color LaserJet 5 and 5M Printer

Product Summary And Technical Specifications   **Positioning And Benefits**   **Cost-Per-Page Summary**
Product And Accessories   *Main Menu*

Product And Accessories

Number	Description

Optional Printer Language

C3963A	Adobe™ PostScript™ Level 2 SIMM

Toner Supplies

C3102A	Cyan toner
C3103A	Yellow toner
C3104A	Magenta toner
C3105A	Black toner
C3120A	Toner collection kit
C3964A	Coating kit

Imaging Units

C3965A	Black developer
C3966A	Colour developer
C3967A	Print drum
C3968A	Transfer belt
C3969A	Fuser (110v, 220v)

Paper-Handling Accessories

C3113A	250-sheet letter-size paper tray
C3114A	250-sheet legal-size paper tray
C3115A	250-sheet A4-size paper tray
C3116A	250-sheet executive-size paper tray
C3117A	250-sheet A3-size paper tray
C3118A	250-sheet 11 x 17-size paper tray
C3119A	250-sheet rear feed unit
C2937A	HP Color LaserJet printer cabinet

Transparency Film and Glossy Media

C2934A	HP Color LaserJet Transparency Film (letter-size)
C2936A	HP Color LaserJet Transparency Film (A4-size)
C2974A	HP Color LaserJet 5/5M Glossy Paper (letter-size)
C2976A	HP Color LaserJet 5/5M Glossy Paper (A4-size)

HP JetDirect Cards and Network Interface Software

J2550A	HP JetDirect card for Ethernet (10Base-T)
J2552A	HP JetDirect card for Ethernet (10Base-T and 10Base2 [Thin Coax]) and LocalTalk (DIN-8)
J2555A	HP JetDirect card for Token Ring (DB9, RJ45)
J2593A	HP JetDirect EX Plus3 for Ethernet

J2594A	HP JetDirect EX Plus3 for Token Ring
J2382B	HP JetDirect EX print server for Ethernet
J2383B	HP JetDirect EX print server for Token Ring
J2374C	HP JetDirect interface software for HP-UX systems
J2375C	HP JetDirect interface software for SunOS and Solaris UNIX systems

Third-party MIO solutions available; see the HP Peripherals Connectivity Solutions Guide, p/n 5954-1616EUS, for more information.

Memory

C3130A	1-Mbyte SIMM
C3131A	2-Mbyte SIMM
C3132A	4-Mbyte SIMM
C3133A	8-Mbyte SIMM
C3146A	16-Mbyte SIMM
D3578A	32-Mbyte SIMM

Cable

C2950A	HP parallel cable - 6.56 ft (2 m)
C2951A	HP parallel cable - 9.84 ft (3 m)

Service

H5501A	HP SupportPack for HP Color LaserJet 5 and 5M printers

Documentation

C3961-90901	Getting Started Guide
C3961-90934	Part Number Reference Card
C3961-90912	User's Guide
J2552-90051	HP JetDirect Print Server Software Installation Guide
C3953-90901	PostScript SIMM Installation Guide
C3119-90900	Rear Feed Unit Installation Guide
5010-3990	Paper Specifications Guide (Family)
5961-0635	PCL Colour Technical Reference Guide

HEWLETT
PACKARD

HP Image REt 1200

HEWLETT
PACKARD

What Is It?   The HP Color LaserJet 5/5M printers incorporate the new HP Image Resolution Enhancement technology 1200 (Image REt 1200).   The result is photorealistic 1200-dpi-equivalent image quality, millions of solid colours and office standard HP LaserJet quality text.

How Does It work?   HP Image REt 1200 technology, through accurate colour control techniques, lets the printer precisely blend up to four toner colours together--within the space of a single dot--to create a true solid colour.   Like an artist mixing paints on a palette to get a desired colour, HP Image REt 1200 ensures precise colour creation by telling the HP Color LaserJet 5/5M printers to "blend" the exact amounts of primary colour toner needed to achieve a required shade.

For example, to print a solid, dark orange dot, HP Image REt 1200 "blends" a small amount of magenta toner with a larger amount of yellow toner and a tiny amount of black toner.   If a slightly lighter shade is specified, HP Image REt 1200 precisely adjusts the amounts of magenta, yellow and black toner accordingly.

Older colour printers were forced to create colours by placing them side by side in dithered patterns, and the result is grainy, lower-resolution colour output.   The HP Color LaserJet 5/5M printers, with HP Image REt 1200, can place colours on top of each other in precise proportions, and the result is solid, pattern-free colours.   With HP Image REt 1200 technology, the HP Color LaserJet 5/5M printers join a new class of colour laser printers that produce smooth, "continuous tone" print quality.

HEWLETT
PACKARD

What's The Benefit?   **Photorealistic image quality:**   HP Image REt 1200 creates images that are 1200-dpi-equivalent.   Images printed on the HP Color LaserJet 5/5M printers show a high level of detail, and colour transitions are smooth and natural.

HEWLETT
PACKARD

Millions of solid colours: Graphics are sharp and crisp.   Colors are pattern-free, without the dithered, lower-resolution look of older colour printers.

HEWLETT
PACKARD

Office standard HP LaserJet quality text: Crisp and readable, in black or any colour.

What Is It?	Colour Management tools allow users to produce specific colour output quickly and easily. For the average user, colour is made simple through the HP Color LaserJet 5/5M's ColorSmart™ settings. Advanced users can fine-tune colour output with multiple controls, such as ICC and Pantone profiles, and the HP Color Swatch Utility. Each technology provides a different solution to achieve optimal colour printing.

HP ColorSmart technology allows automatic definition of halftone and colour settings by object type: Text, Graphics and Photos.   ColorSmart defaults provide high-quality output for most colour printing needs. Users can also turn the defaults off and adjust settings manually for enhanced colour control. This capability is especially useful for documents that include multiple object types.

ICC Profiles are available with the Windows 95 PCL driver, and support for Color Sync 2.0 will be available in Fall 1996.   ICC Profiles support ICC-compatible Colour Management Systems.   Colour management systems allow users to calibrate colours between monitors, scanners and printers. This technology provides cross-device colour matching and colour consistency between applications.

The **PANTONE** Color Matching System calibrates computer-generated colour to predefined ink-based colours.   This system, traditionally used by graphic artists, is especially useful in matching a company's colours used in logos, product packaging, or company literature.

The **HP Color Swatch Utility** prints swatches that identify each colour by RGB (Red-Green-Blue) or CMYK (Cyan-Magenta-Yellow-Black) values.   This utility is useful for identifying, matching, and generating specific colours.

How Does It Work?	**HP ColorSmart** optimizes colour and halftoning automatically by using default settings for Text, Graphic, and Photo object types. The printer recognizes different object types, such as text, vector, graphic, and raster images, and assigns ColorSmart settings accordingly. Users can also turn off the default ColorSmart settings and adjust the colour, halftone, lightness, and saturation output for the different object types.

ColorSmart is enabled through the HP printer drivers and is supported in the following environments: Windows 3.1 (PCL & PostScript), OS/2 (PCL & PostScript), Mac GX and QuickDraw (first half of 1996), Windows 95 PCL and PostScript.

ICC Profiles work with a variety of colour management systems to simplify colour matching between different devices, such as monitors, scanners, and printers.

The **PANTONE Color Matching System** is also enabled through an HP Color LaserJet 5/5M profile. PANTONE profiles are accessed directly from applications, such as CorelDraw!, Adobe Illustrator, Micrografx Picture Publisher, and Adobe Photoshop.   HP Color LaserJet 5/5M Pantone profiles will be available through fulfillment at product introduction.   The Pantone setting in the HP Color LaserJet 5/5M printer drivers must be selected in conjunction with the PANTONE profiles.

The **Color Swatch Utility** prints up to eight pages of example colours and their accompanying RGB or CMYK values.   By typing a simple DOS command, users can specify the colour type and the pages desired.   With these pages, users can identify specific colour swatches they'd like to match, and generate that colour by defining the appropriate values within applications.   The Color Swatch Utility is included on the printer's DOS driver diskette.

What's The Benefit?	The HP Color LaserJet 5/5M provides users with a versatile set of colour management tools to generate their desired colour output.

Simple, automatic colour plus unmatched colour control using ColorSmart defaults and manual colour settings.

Cross-device colour matching through ICC Profiles.

**HEWLETT®
PACKARD**

Specific colour matching through Pantone profiles and the HP Color Swatch Utility.

Adobe PostScript Level 2

What Is It?   PostScript is a programming language called a Page Description Language (PDL).   PDLs arrange text, graphics and images on an area equivalent to a printed page prior to printing by a raster image device.   PostScript, like HP's PCL page description language, gives users comprehensive control over the appearance of the printed page.   Adobe Systems Inc. developed Adobe PostScript.

Adobe PostScript is a proprietary page description language owned solely by Adobe and licensed to HP.   HP's relationship with Adobe started in 1988 when HP began shipping PostScript for the HP LaserJet III printer.   The solution was co-developed by HP and Adobe.   Since that time, HP and Adobe have worked together to provide PostScript solutions on HP LaserJets, DeskJets, PaintJets and DesignJets.

Other manufacturers have PostScript implementations -- "clones".   These clones allow their printers to receive and process PostScript commands.   But "true" Adobe PostScript printers, such as the HP LaserJet 5M, actually use Adobe's code.   Actually using Adobe's code assures 100% compatibility in PostScript printing.   The HP LaserJet 5M is in compliance with the Adobe PostScript standard.   Adobe is the "original" PostScript and claims the best quality and the best performance versus the PostScript clones.

How Does It Work?   The HP LaserJet 5M receives a description of the page to be printed -- including lines, shapes, fonts, and colours -- and formats that information on a specialized processor built into the PostScript SIMM.   The processor then converts that information into dots on the page and sends it to the printer to be printed.

What's The Benefit?   The benefits of PostScript are:

The exact same file can print on more than one PostScript device. This is known in the industry as device independence.

Mixed host environments (i.e. Windows/DOS, MAC) can share the PostScript printer on a network.

Provides consistent colour across PostScript Level 2 devices.

You should purchase the PostScript option if:
1.   You are using a software program that works best if output on a PostScript printer (example: Adobe Illustrator)
2.   You want the exact same print file to print on more than one device.   Graphic artists often need to do this when they print a file on a local printer (this is called "proofing") before sending the file to a typesetter for final printing.
3.   You plan to connect one or more Macintosh computers.   PostScript is required for the Macintosh to print on the HP LaserJet 5 printer.

If you still are not sure you need PostScript, the HP LaserJet 5 printer allows you the flexibility of purchasing it later when the need becomes apparent.

HP JetPrint for Novell NetWare

What Is It?   HP's most advanced network printer management capabilities are integrated into the latest release of the HP JetPrint Utility for NetWare.   This version boasts all the functionality of the previous version plus additional benefits provided for the HP Color LaserJet 5M printers with the HP JetDirect networking card installed (J2552A).

How Does It Work?   HP JetPrint works with Windows 3.X, Windows for Workgroups 3.X, Windows NT, and Win-OS/2. Users have easy access to all assigned printers on the NetWare network.   Automatic installation of the HP Windows printer driver plus printer and print job status enhance the user's network printer experience.

What's The Benefit?   **New icons...**
HP JetPrint will automatically associate an icon depicting the HP LaserJet 5/5M printers on the network.   The user is presented an easy-to-recognize icon instead of a long queue name.

General usability and performance enhancements...
HP JetPrint supports *Always-on-top* and features an enhanced user interface.

Network printer ease of use...
Easy selection of network printers, drag-and-drop printing, and printer and print job status information such as job complete, out of paper, etc.

Favorite Printers...
Users have the ability to create their own list of favorite printers, eliminating the need to browse through all accessible network printers.

Automatic driver install and updates...
HP JetPrint automatically provides access to the newest or latest version printer driver over the network.

Advanced printer status...
HP JetPrint provides real-time printer status through a Management Information Base (MIB).   For example, when a print cartridge runs out of ink, HP JetPrint reports the condition to the user, identifying which ink cartridge needs replacement.

What Is It?	The HP JetDirect Card for Ethernet/802.3, 10Base-T, and 10Base2 networks (HP model number J2552A) is a network interface card that is inserted into the HP Color LaserJet 5 printer to provide a direct network interface. The card supports multiple network operating systems (NOS) including Novell NetWare, Microsoft LAN Manager, OS/2 LAN Server, Windows NT, Windows for Workgroups, Apple EtherTalk, Apple LocalTalk, HP-UX, SunOS, Solaris, SCO UNIX and IBM AIX. The card comes pre-installed in the HP Color LaserJet 5M PostScript printer, or may be purchased separately and installed in the HP Color LaserJet 5 base model printer.

The card allows you to attach a printer directly to your network at any location while providing increased ease of use, network management, and printer I/O performance.   Advanced printer and job management are provided through a Management Information Base (MIB) which is supported through the industry standard Simple Network Management Protocol (SNMP).

The J2552A HP JetDirect network card is included with the HP Color LaserJet 5M PostScript bundle.   Purchasers of the HP Color LaserJet 5 (base model) can purchase the card separately. |
| **How Does It Work?** | The HP JetDirect network card conforms to HP's MIO version 6.0 specification.   It has an onboard processor dedicated to handling network printing and contains the hardware necessary to connect directly into the network wiring.   It plugs into the back of DeskJet 1600C printer and functions similarly to -- although much more efficiently than -- a dedicated PC print server. |
| **What's The Benefit?** | **Flexible location...**
The ability to place the printer anywhere on the network eliminates the need to attach the printer directly to a server or workstation.

Enhanced printer status and diagnostics...
Provides users and administrators status feedback and control of the printer over the network using HP JetPrint and HP JetAdmin network printer utilities.

Automatic Protocol Switching...
Automatically detects the network protocol of a print job and switches to that protocol.

Improved Network Management...
Supports SNMP that allows remote management and troubleshooting of the printer. |

What Is It?	The HP Color LaserJet 5/5M Windows Printing System is a collection of software designed to deliver great Windows colour printing. The software includes a ColorSmart™ (PCL and PostScript) Printer Driver for Windows 3.1 and 3.11, Windows for Workgroups 3.11, and Windows 95; HP FontSmart; HP JetAdmin for 3.1/NetWare; HP JetAdmin for Windows 95/NetWare; and an installer for easy installation of the system. The PCL Windows Printing System ships with the HP Color LaserJet 5/5M printers.
How Does It Work?	With the Windows Printing System, users install the Windows printer driver and HP FontSmart on their computers. The driver allows Windows applications to communicate with the HP Color LaserJet 5/5M printers. A printer driver, the software that converts application output data into instructions for the printer, is accessible through the Windows Program Manager/Control Panel or through Windows applications. The Windows driver that is included with the HP Color LaserJet 5/5M Windows Printing System integrates HP ColorSmart, HP's unique colour management technology.

HP ColorSmart is a set of defaults that automatically apply to your colour output for different object types--Text, Graphics and Photos.   This capability is especially useful for documents that include multiple object types. ColorSmart defaults provide high quality output for many colour printing needs.   Users can   turn the defaults off for enhanced colour control and adjust settings manually.

The Windows Printing System also includes HP FontSmart, a font management program for most fonts available in Windows.   Users can create, delete, and manage True Type fonts as well as Adobe PostScript Type 1 fonts.   FontSmart includes a collection of 110 screen and printer fonts. FontSmart saves disk space by storing fonts in a compressed format until they are installed and ready to use.

HP JetAdmin for 3.1/NetWare and HP JetAdmin for Windows 95 are also included in the Windows Printing System.   More information on this software can be found in "Connectivity Solutions" Notables.

What's The Benefit? **Ease of Use**--The installer guides users through the installation of all important software components.   The printer driver and FontSmart have detailed on-line and context sensitive help.   ColorSmart makes colour printing as easy as black and white printing.

Great Colour Documents--ColorSmart allows easy, high quality colour document creation.   Manual settings allow for maximum colour and print quality control. Great variety of Windows fonts.

Flexibility--Users can choose among PCL or PostScript, manual or automatic driver settings, and font compression to store unused fonts.

Great Windows printing--All the elements needed for fast, high-quality Windows printing.

HEWLETT PACKARD

HP Color Tools Disk

HEWLETT PACKARD

The one-button Tool Bar icon is available for the following applications:

HEWLETT PACKARD   Microsoft Word for Windows 2.0, 6.0, and 7.0

HEWLETT PACKARD   WordPerfect for Windows 6.1

The Colour Palettes are available for the following applications:

HEWLETT PACKARD   Microsoft Word for Windows 2.0,   6.0, and 7.0

HEWLETT PACKARD   WordPerfect for Windows 6.1

HEWLETT PACKARD   Lotus 123 for Windows 5.0 and greater

HEWLETT PACKARD   Microsoft Excel 5.0 and 7.0

HEWLETT PACKARD   Lotus Freelance 2.0 and 2.1

HEWLETT PACKARD   CorelDraw! 4.0 and 5.0

HEWLETT PACKARD   Microsoft PowerPoint 4.0 and 7.0

What Is It?   The HP Color Tools Disk contains tools that help make colour easy to use with Windows 3.1 and Windows 95.   The disk, which is available from Centric and electronic distribution bulletin boards (such as CompuServe), contains two tools:

HEWLETT PACKARD **Tool bar colour icon**, which eliminates steps to get to an application's colour settings.

HEWLETT PACKARD   **Colour palette files** that allow the user to print the application's default colour palettes, which takes the guess-work out of screen matching.

How Does It Work?   The HP Color Tools program group installs easily through the Windows Program Manager. Simply select the applications desired to install the one-button tool bar icon.   The button remains on the tool bar and easy access to colour is available every time the application is opened.

During the install process, users also select the applications in which they would like to preview colour settings. The HP Color Tools program group stores files until the user is ready for them.   To open the colour palettes file, the user selects the application from the HP Color Tools program group.   With the colour palette file, users can print an output of the application's default colours and see how they look *before* they create a document.

What's The Benefit?   HP Color Tools software makes it easy for users to access their application's colour settings quickly and use them with the HP Color LaserJet 5/5M printers.   The tool bar colour icon eliminates numerous steps and searching for colour settings.   The colour palette files allow users to print an application's colour palette(s), and eliminate the trial and error approach that is often involved with matching screen colours.

HP Direct-To-Drum Imaging

What Is It? The HP Color LaserJet 5/5M printers use Direct-to-Drum imaging, which improves colour print registration for sharper, clearer documents.   The printers use an electro-photographic process to create colours using Cyan, Magenta, Yellow, and Black toners. The printer develops all toners directly on the print drum and then transfers the complete image to paper in a single pass. With other printers that have registration problems, colours may not line up correctly and the result is output that looks like badly printed Sunday comics.   The HP Color LaserJet 5/5M printers, with direct-to-drum imaging, print with perfect registration every time.

How Does It Work? Some colour laser printers use multiple steps to transfer colour to paper, which can cause registration and sharpness problems. The HP Color LaserJet 5/5M printers, on the other hand, use laser technology, direct-to-drum imaging and the Cyan, Magenta, Yellow, and Black (CMYK) process to provide high-quality, fast colour output that is sharp and clear.

The HP Color LaserJet 5/5M printers charge and expose the drum using the laser scanner, like other HP LaserJet family printers.   Then, with direct-to-drum imaging, the HP Color LaserJet 5/5M printers develop all four colours onto the drum.

The process starts by developing the image on the drum for Yellow.   The drum is then recharged, exposed and developed for Magenta.   The same process is repeated for Cyan and then Black. After completing the direct-to-drum imaging for all four toner colours, the entire image is transferred to paper in one step.

The HP Color LaserJet 5/5M printers use the CMYK process to create high definition colour two ways:

Printing Cyan, Magenta, Yellow, or Black as stand-alone colours.

Printing using HP Image REt 1200, an exclusive HP technology, to obtain millions of solid colours.   The new technology layers toner on toner, using various amounts of Cyan, Magenta, Yellow, and Black toner. For solid black, Black toner is used.

The final step is toner fusing.   The HP Color LaserJet 5/5M printers fuse toner in one of two ways:

Plain paper fusing, resulting in an easy-to-read matte finish.

Special fusing, for HP Color LaserJet 5/5M glossy paper and transparencies. This method creates glossy finish on glossy paper and optimizes projection quality on transparencies.

What's The Benefit? HP Color LaserJet 5/5M printers are ideal for office use because they make business documents more persuasive, concise, and eye-catching to help users close the deal, win the bid, and get new clients.

Sharp, vivid images, graphics, and text--Direct-to-drum imaging and toner-on-toner technology provide exceptional colour registration and control.   The results are images, graphics, and text with perfect registration--no overlapping or misaligned colours.

Reliability--Proven HP LaserJet printer process technology.
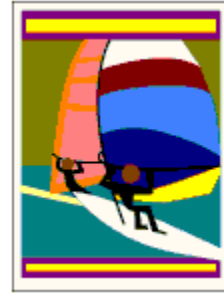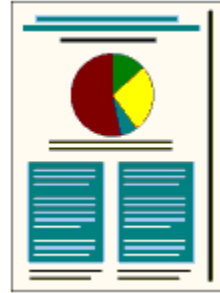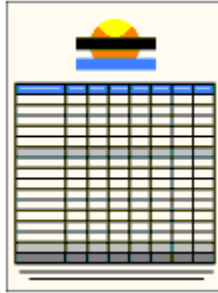
HEWLETT PACKARD

HP LaserJet 5/5M - U. K.

Close   Print

	Letter, Memo	**Marketing Documents, Spreadsheet**	**Heavy Graph, Newsletter**	**Image Illustration**
Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	5%	16%	34%	54%
Local cost-per-page:	0.02 Pounds	0.06 Pounds	0.11 Pounds	0.19 Pounds
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - France

Close   Print

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.16 French Francs	0.49 French Francs	0.92 French Francs	1.61 French Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	49.79 Lira	153.25 Lira	290.07 Lira	508.95 Lira
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.05 Marks	0.14 Marks	0.27 Marks	0.47 Marks
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Belgium

Typical documents: Letter, Memo | Marketing Documents, Spreadsheet | Heavy Graph, Newsletter | Image Illustration

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	5%	16%	34%	54%
Local cost-per-page:	0.95 Belgium Francs	2.91 Belgium Francs	5.51 Belgium Francs	9.66 Belgium Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Holland

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.05 Guilders	0.16 Guilders	0.30 Guilders	0.52 Guilders
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Sweden

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.22 Krona	0.68 Krona	1.28 Krona	2.25 Krona
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.14 Markka	0.44 Markka	0.82 Markka	1.45 Markka
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Denmark

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.19 Krone	0.60 Krone	1.13 Krone	1.98 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Spain

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	4.17 Peseto	12.81 Peseto	24.23 Peseto	42.48 Peseto
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Ireland

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.02 Punt	0.06 Punt	0.11 Punt	0.20 Punt
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Greece

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	7.45 Drachma	22.87 Drachma	43.26 Drachma	75.86 Drachma
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Portugal

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	5.14 Escudo	15.79 Escudo	29.86 Escudo	52.36 Escudo
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Switzerland

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.04 Swiss Francs	0.12 Swiss Francs	0.23 Swiss Francs	0.40 Swiss Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP LaserJet 5/5M - Norway

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Heavy Graph, Newsletter	Image Illustration
Example of coverage:	**5%**	**16%**	**34%**	**54%**
Local cost-per-page:	0.20 Krone	0.62 Krone	1.16 Krone	2.04 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.

HP Color LaserJet Cost of Ownership

HEWLETT PACKARD

Vendor	HP	Apple	Lexmark	QMS	Tektronix	Xerox
Model	Color LJ 5M	Color LaserWriter	Optra C	magicolor LX	Phaser 540 Plus	XPrint 492X
BLACK (cents/page) 5% coverage	1.82	3.00	3.00	3.72	5.70	2.54
COLOUR (cents/page) 30% coverage	7.50	15.51	15.51	20.43	24.72	19.68
Cost of Ownership	$60,552	$124,380	$124,380	$160,488	$137,952	$150,840
HP Savings		$63,828	$63,828	$99,936	$77,400	$90,288

Note: 3-year cumulative savings for ten units; based on print volume of 3K pages/month, 67% colour pages, 33% monochrome; Channel discount assumptions: HP-27%, Apple-22%, Lexmark-22%, Xerox-12%, Tektronix-5%, QMS-5%; Competitive cost-per-page based on Hardcopy Observer.

HP DeskJet 1600C and 1600CM Printers
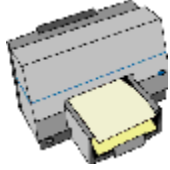
Product Summary And Technical Specifications

Positioning And Benefits

Cost-Per-Page Summary

Product And Accessories

HP DeskJet 1600C and 1600CM Printer

Product Summary And Technical Specifications

A new standard in office printing for the workgroup...

Number

Standard Unit	Description
C3540A	HP DeskJet 1600C printer
C3541A	HP DeskJet 1600CM PostScript printer standard unit includes: one HP DeskJet 1600C or 1600CM printer, one power cable, black and colour ink cartridges, User's Guide, online reference guide, and an HP Premium Paper sample pack. The printer interface cable is not included. The HP DeskJet 1600CM also includes HP JetDirect Print Server for Ethernet, LocalTalk, J2552A and Adobe™ PostScript™ Level 2 language SIMM.

The HP DeskJet 1600C redefines the office printer market by combining heavy-duty office printer performance with the high-quality colour printing capabilities demanded by business leaders.   A single purchase brings colour to the entire workgroup!

The HP DeskJet 1600C combines professional black and colour printing on plain paper with fast office performance.   It is specifically designed to expand with a business, with such features as an optional secondary paper tray, expandable memory, and true Adobe™ PostScript™ Level 2 firmware, all of which can be purchased with the printer, or added later as printing needs change.

Print Quality	Inkjet print technology on plain paper. Four high capacity print cartridges: black, cyan, magenta, and yellow; 42cc ink per cartridge. Out-of-ink sensing stops printing and notifies user when a cartridge is out of ink. The built-in heater provides flat, dry output.
Speed and Throughput	9-pages-per-minute (ppm) rated engine speed for black-and-white documents; 1-2-ppm rated engine speed for colour documents; up to 4-ppm rated engine speed for mixed text and graphics.
Print Resolution	600 x 600 dpi black text 300 x 300 dpi colour with ColorSmart

Media	Sizes: A4, letter, and legal. Envelopes: DL & C5. Plain paper, transparency film, special and glossy paper, envelopes and HP LaserJet style sheet labels (A4/Letter only).

Connectivity	High-speed HP Bi-Tronics parallel interface provides data transfer up to 200KB/second. IEEE: 1284. Network interface slot accepts all HP JetDirect I/O cards. Ethernet and LocalTalk are included with HP DeskJet 1600CM. Automatic Language and I/O switching Network protocol-sensing.

Paper Handling	Automatic and manual feed for paper and film; manual feed for envelopes and labels. Input tray holds 180 sheets of plain paper, 100 sheets of film; Output tray holds up to 100 sheets of plain paper. 500-sheet optional input tray, supports A4, letter, legal, and plain paper only.
	Optional paper tray handles paper 60 to 135 g/m .

Specifications

Paper Types	Paper - 60 to 90 g/m .
and Weights	Envelopes - 75 to 150 g/m .

Print Technology	Thermal Inkjet

Operating and Environmental Ranges	Printer operating temperature 15° to 35° C. Storage -40°C to 65° C. Humidity: Operating 20% to 80% non-condensing Noise Levels per ISO 7779 Idle: Sound Power-LwAd=4.6 B(A), Sound Pressure - LpAm: 32dB(A) Econofast and Normal: Sound Power-LwAd=6.4 B(A), Sound Pressure - LpAm: 49dB(A)

Dimensions	Width: 508mm Depth: 432 mm. Height: 279 mm. Paper feeder size: 110 mm.x 484mm x 463 mm Weight 1600C/1699CM, 11.34 kg (25lbs). Optional paper feeder, 5 kg (11 lbs).

Product Certification	Pantone approved colours. Safety: UL listed to UL1950; CSA certified to CSA 22.2 No. 950; NEMCO licensed; complies with EN60950, DGN-approved; EMI: FCC certified Class B, DOC level B. EN 55022 Class B (Class A when using optional Class A network peripheral interface cards). PrEN 550242; prEN 55024-3; prEN 55024-4; registered VCCI, Class 2; approved under General Approval NSIC112341J/ 100003 for indirect connection to public communication systems within the United Kingdom. EnergyStar registered.

Duty Cycle	Up to 12,000 pages per month.

Warranty   One-year warranty.

HEWLETT PACKARD

HP DeskJet 1600C and 1600CM Printer **HEWLETT PACKARD**
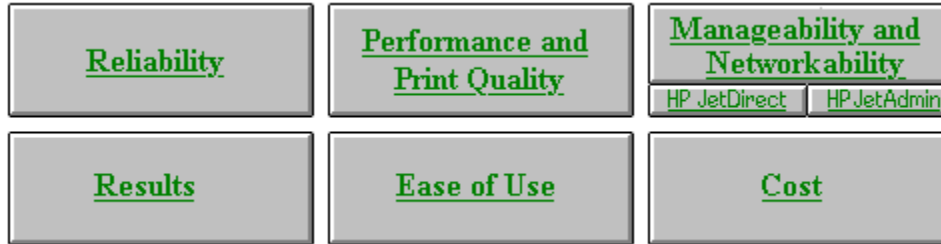
Product Summary And Technical Specifications   Positioning And Benefits   Cost-Per-Page Summary
Product And Accessories   *Main Menu*

Positioning And Benefits

Reliability	Performance and Print Quality	Manageability and Networkability
		HP JetDirect | HP JetAdmin
Results	Ease of Use	Cost
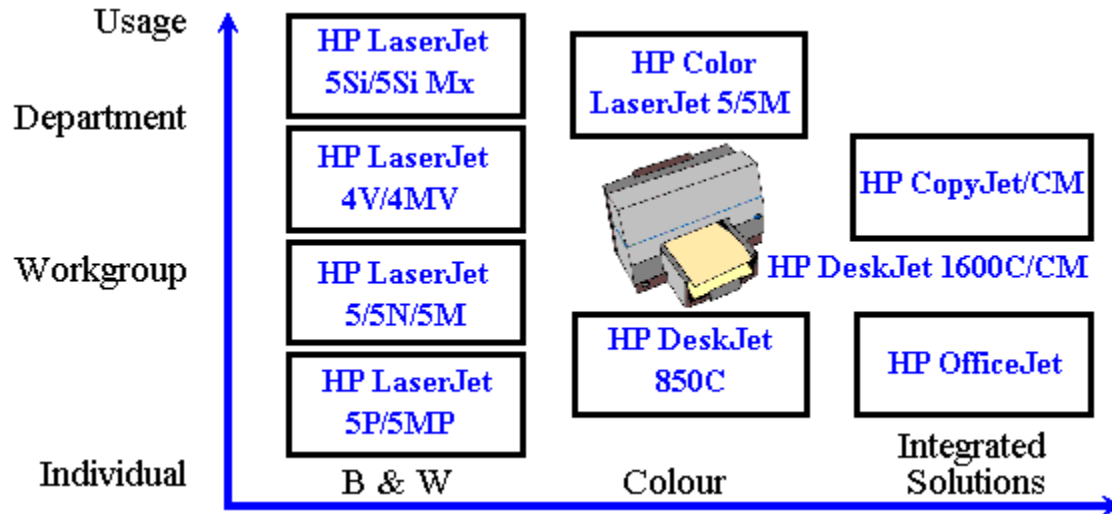
RELIABILITY

Free phone support from HP European Customer Support Centre (ECSC) for immediate technical assistance.

Built to the same exacting standards users expect from HP.

Reliable, scalable investment: additional features can be added in the event business grows.

State-of-the-art technology and leading-edge performance will meet the future needs of the office.

Free phone support is provided to answer questions and a one-year product warranty is included.

PERFORMANCE AND PRINT QUALITY

High quality 600 x 600 dots-per-inch (dpi) black for high-quality text printing.

High impact 300 x 300 dpi colour with HP ColorSmart™ makes printing colour easy.

High-quality printing on plain paper.

Pigment-based black ink.

Print speeds: up to 9 ppm for black text
up to 4 ppm for mixed text and graphics.
up to 2 ppm for a full page of color

Duty cycle: 12,000 pages per month duty cycle keeps up with the office workload.

Intel RISC I80960 processor for fast printing.

Print speed is not compromised by its ability to print colour.

The internal heater and fast Intel processor provide quick printing capability.

Industry leader for inkjet printing in the office.

MANAGEABILITY AND NETWORKABILITY

Fits easily on existing networks using standard HP JetDirect Print Servers.

Network-ready with PCL 5 C/E, Adobe™ PostScript™ Level 2 for the ultimate in compatiblility and flexibility.

Automatic language switching for multiple PC environments.

Robust I/O switching provides seamless connection to multiple protocols.

HP LaserJet 4 Plus compatible (drivers, typefaces, margins, etc.).

Designed with Network Administrators in mind; built-in features make it easy to connect this printer to a network.
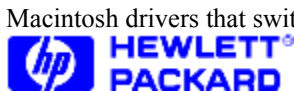
The number of trips to the printer are reduced due to the Windows and Macintosh drivers that switch printer settings directly from the workstation.

Less hassle: optional paper tray provides increased ease of use and versatility. Special media can be stored in a separate tray, reducing the need to physically change the paper tray for letterhead or envelopes.
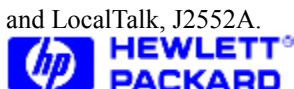
The HP DeskJet 1600CM also includes HP JetDirect Print Server for Ethernet and LocalTalk, J2552A.

High-speed HP Bi-Tronics parallel interface provides data transfer up to

200KB/second.   IEEE: 1284.   Network interface slot accepts all HP JetDirect I/O cards.   Ethernet and LocalTalk are included with HP DeskJet 1600CM.   Automatic Language and I/O switching Network protocol-sensing.

RESULTS

HP ColorSmart™ software ensures colours and dither patterns look their best.

Print on plain paper, inkjet paper, glossy paper or transparency

Output is dry and ready to go.

Colour gives business presentations a competitive edge by increasing attention and retention through flavour and accent.

Black text and grayscale images and graphics rival print quality from more expensive, high-quality monochrome printers.

Fast print speed for maximum productivity: prints up to nine pages per minute.

EASE OF USE

One-button control panel.

HP's ColorSmart™ technology for professional, easy-to-use colour.   Out-of-ink detection   stops the print job and notifies the user when a cartridge is out of ink.

Four separate easy-to-replace print cartridges.

Flat, dry, ready-to-handle output.

Intuitive printer software drivers with extensive on-line documentation.

HP's exclusive REt and ColorSmart™ software make it easy to print professional-quality documents for the office.

Easy printer switching with Windows and Macintosh because drivers are included, reducing trips to the printer.

Simple operation: front panel is self explanatory and the inkjet cartridges are easy to replace.

Compact size makes for easy maintenance and portability.

COST

Very low cost-per-page.

Excellent plain-paper print quality.

Using colour costs no more than using black.

Four separate cartridges and [Out-of-ink](#) sensing reduces ink waste.

EconoFast print mode saves time and ink.

Energy Star compliance reduces power consumption.

One purchase for colour and black/white printing.

Expandable: designed to grow as users business needs grow - need more memory? Just add it, no need to buy a new printer.

Great colour graphics and highlights add dimension to documents at no extra cost.

System Compatibility

System	Software	HP DeskJet 1600C	HP DeskJet 1600CM
PC/XT/AT and compatibles	MS-DOS	*	*
386- and 486- based computers	MS-DOS	*	*
	Windows	*	*
	OS/2		*
Apple Macintosh System 6.0.7 and higher		*	
Workstations	HP-UX		*
	SunOS, Solaris		*
	SCO UNIX		*

Typefaces

35 Intellefont scaleable typefaces
10 TrueType scaleable typefaces
35 Adobe Type1 scaleable typefaces for PostScript (DeskJet 1600CM)
1 bitmapped font

Physical Specifications

Height x width x depth	279 x 508 x 432 mm
Net weight:	11.34 kg
Shipping weight, 1600C	16.44 kg
Shipping weight, 1600CM	17.0 kg

Product Certifications

Pantone-approved colours, Novell certified.

Safety: UL listed to UL1950; CSA certified to CSA 22.2 No. 950; NEMKO licensed; complies with EN60950; DSGN-approved.

EMI: FCC certified Class B, DOC level B, EN 55022 Class B (Class A when using optional Class A network peripheral interface cards); prEN 55024-2; prEN 55024-3; prEN 55024-4; Registered VCCI, Class 2; approved under General Approval NS/G/1234/J/100003 for indirect communication systems within the United Kingdom. Energy Star registered.

HP DeskJet 1600C and 1600CM Printer

Product Summary And Technical Specifications   Positioning And Benefits   Cost-Per-Page Summary
Product And Accessories   *Main Menu*

Cost-Per-Page Summary

What Country Are You From?

Belgium	Denmark	Finland	France	Germany
Greece	Holland	Ireland	Italy	Norway
Portugal	Spain	Sweden	Switzerland	United Kingdom

HP DeskJet 1600C and 1600CM Printer

Product Summary And Technical Specifications   **Positioning And Benefits**   **Cost-Per-Page Summary**
Product And Accessories   *Main Menu*

Product And Accessories

C3542A   HP DeskJet 1600C PostScript Level 2 Upgrade Kit.
C3543A   500-Sheet Paper Tray
C3130A   1-Mbyte SIMM
C3131A   2-Mbyte SIMM
C3132A   4-Mbyte SIMM
C3133A   8-Mbyte SIMM
C3146A   16-Mbyte SIMM
C3578A   32-Mbyte SIMM

HP JetDirect Print Servers

J2552A   HP JetDirect card for Ethernet (10Base-T and 10Base2 [Thin Coax]) and LocalTalk (DIN-8)
J2555A   HP JetDirect card for Token Ring (DB9, RJ45)
J2374B   HP JetDirect interface software for HP-UX systems
J2375B   HP JetDirect card HP JetDirect interface Software for SunOS and Solaris UNIX systems

Cables

C2950A   HP-recommended parallel cable, 2 meter
C2951A   HP-recommended parallel cable, 3 meter
92215S   Macintosh serial cable
92215N   Macintosh Network Cable Kit

Print Cartridges

51645A   Black print cartridge
51640C   Cyan print cartridge
51640M   Magenta print cartridge
51640Y   Yellow print cartridge

Special Media

51634Y   HP Premium InkJet Paper, Letter (200 sheets, 8.5" x 11")
51634Z   HP Premium InkJet Paper, A4 (200 sheets, 210mm x 297mm)
C3836A   HP Premium Glossy Paper, Letter (50 sheets, 8.5" x 11")
C3833A   HP Premium Glossy Paper, Letter (10 sheets, 8.5" x 11")
C3837A   HP Premium Glossy Paper, A4 (50 sheets, 210mm x 297mm)
C3831A   HP Premium Glossy Paper, A4 (10 sheets, 210mm x 297mm)
C3834A   HP Premium Transparency Film, Letter (50 sheets, 8.5" x 11")
C3828A   HP Premium Transparency Film, Letter (20 sheets, 8.5" x 11")
C3835A   HP Premium Transparency Film, A4 (50 sheets, 210mm x 297mm)
C3832A   HP Premium Transparency Film, A4 (20 sheets, 210mm x 297mm)

What Is It?   The HP Color DeskJet 1600C/CM printers incorporate the new HP Image Resolution Enhancement technology 1200 (Image REt 1200).   The result is photorealistic 1200-dpi-equivalent image quality, millions of solid colours and office standard HP DeskJet quality text.

How Does It work?   HP Image REt 1200 technology, through accurate colour control techniques, lets the printer precisely blend up to four toner colours together--within the space of a single dot--to create a true solid colour.   Like an artist mixing paints on a palette to get a desired colour, HP Image REt 1200 ensures precise colour creation by telling the HP Color DeskJet 1600C/CM printers to "blend" the exact amounts of primary colour toner needed to achieve a required shade.

For example, to print a solid, dark orange dot, Image REt 1200 "blends" a small amount of magenta toner with a larger amount of yellow toner and a tiny amount of black toner.   If a slightly lighter shade is specified, HP Image REt 1200 precisely adjusts the amounts of magenta, yellow and black toner accordingly.

Older colour printers were forced to create colours by placing them side by side in dithered patterns, and the result is grainy, lower-resolution colour output.   The HP Color DeskJet 1600C/CM printers, with HP Image REt 1200, can place colours on top of each other in precise proportions, and the result is solid, pattern-free colours.   With HP Image REt 1200 technology, the HP Color DeskJet 1600C/CM printers join a new class of colour deskjet printers that produce smooth, "continuous tone" print quality.

What's The Benefit?   **Photorealistic image quality:**   HP Image REt 1200 creates images that are 1200-dpi-equivalent.   Images printed on the HP Color DeskJet 1600C/CM printers show a high level of detail, and colour transitions are smooth and natural.

Millions of solid colours: Graphics are sharp and crisp.   Colors are pattern-free, without the dithered, lower-resolution look of older colour printers.

Office standard HP LaserJet quality text: Crisp and readable, in black or any colour.

What Is It?	The HP Color DeskJet 1600C/CM Windows Printing System is a collection of software designed to deliver great Windows colour printing. The software includes a ColorSmart™ (PCL and PostScript) Printer Driver for Windows 3.1 and 3.11, Windows for Workgroups 3.11, and Windows 95; HP FontSmart; JetAdmin for 3.1/NetWare; JetAdmin for Windows 95/NetWare; and an installer for easy installation of the system. The PCL Windows Printing System ships with the HP Color DeskJet 1600C/CM printers.
How Does It Work?	With the Windows Printing System, users install the Windows printer driver and HP FontSmart on their computers. The driver allows Windows applications to communicate with the HP Color DeskJet 1600C/CM printers. A printer driver, the software that converts application output data into instructions for the printer, is accessible through the Windows Program Manager/Control Panel or through Windows applications. The Windows driver that is included with the HP Color DeskJet 1600C/CM Windows Printing System integrates HP ColorSmart, HPs unique colour management technology.

HP ColorSmart™ is a set of defaults that automatically apply to your colour output for different object types--Text, Graphics and Photos.   This capability is especially useful for documents that include multiple object types.   ColorSmart™ defaults provide high quality output for many colour printing needs.   Users can   turn the defaults off for enhanced colour control and adjust settings manually.

The Windows Printing System also includes HP FontSmart, a font management program for most fonts available in Windows.   Users can create, delete, and manage True Type fonts as well as Adobe PostScript Type 1 fonts.   FontSmart includes a collection of 110 screen and printer fonts. FontSmart saves disk space by storing fonts in a compressed format until they are installed and ready to use.

HP JetAdmin for 3.1/NetWare and HP JetAdmin for Windows 95 are also included in the Windows Printing System.   More information on this software can be found in "Connectivity Solutions" Notables.

What's The Benefit?   **Ease of Use**--The installer guides users through the installation of all important software components. The printer driver and FontSmart have detailed on-line and context sensitive help.   ColorSmart™ makes colour printing as easy as black and white printing.

Great Colour Documents--ColorSmart™ allows easy, high quality colour document creation.   Manual settings allow for maximum colour and print quality control. Great variety of Windows fonts.

Flexibility--Users can choose among PCL or PostScript, manual or automatic driver settings, and font compression to store unused fonts.

Great Windows printing--All the elements needed for fast, high-quality Windows printing.

Close   Print

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.016 Pounds	0.028 Pounds	0.062 Pounds	0.110 Pounds
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - France

Close **Print**

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.121 French Francs	0.212 French Francs	0.474 French Francs	0.842 French Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Italy

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	4%	8%	19%	41%
Local cost-per-page:	37.560 Lira	65.730 Lira	147.110 Lira	261.355 Lira
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HEWLETT PACKARD

HP DeskJet 1600C/CM - Germany

Close   Print

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.036 Marks	0.062 Marks	0.138 Marks	0.247 Marks
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only. Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Belgium

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.731 Belgium Francs	1.280 Belgium Francs	2.684 Belgium Francs	5.088 Belgium Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Holland

Close **Print**

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.040 Guilders	0.069 Guilders	0.155 Guilders	0.276 Guilders
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HEWLETT PACKARD

HP DeskJet 1600C/CM - Sweden

Close   Print

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.160 Krona	0.280 Krona	0.627 Krona	1.114 Krona
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

Close   **Print**

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.111 Markka	0.194 Markka	0.434 Markka	0.772 Markka
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.137 Krone	0.240 Krone	0.537 Krone	0.954 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Spain

Close **Print**

HEWLETT PACKARD

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	4%	8%	19%	41%
Local cost-per-page:	2.989 Peseto	5.231 Peseto	11.707 Peseto	20.798 Peseto
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Ireland

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.015 Punt	0.027 Punt	0.060 Punt	0.106 Punt
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only. Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Greece

Close   **Print**

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	5.778 Drachma	10.112 Drachma	22.632 Drachma	40.209 Drachma
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Portugal

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	3.648 Escudo	8.384 Escudo	14.286 Escudo	25.384 Escudo
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP DeskJet 1600C/CM - Switzerland

Close **Print**

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.029 Swiss Francs	0.050 Swiss Francs	0.112 Swiss Francs	0.199 Swiss Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

Close   **Print**

Typical documents:	Letter, Memo (Econofast Mode)	Marketing Documents, Spreadsheet	Newsletter, Marketing Document, Some Graphics	Image Illustration Heavy Document
Example of coverage:	**4%**	**8%**	**19%**	**41%**
Local cost-per-page:	0.154 Krone	0.269 Krone	0.603 Krone	1.070 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
All samples were printed in normal mode except as noted.
Ink costs only.   Price of paper will increase overall cost-per-page.

HP CopyJet and CopyJet M Color Printer-Copier

Product Summary And Technical Specifications

Positioning And Benefits

Cost-Per-Page Summary

Product And Accessories

HP CopyJet and CopyJet M Printer-Copier **HEWLETT PACKARD**

Product Summary And Technical Specifications

Convenient colour copying and powerful network printing in one affordable product...

Number

Standard Unit	Description
C3817A	HP CopyJet is a plain paper, drop-on-demand thermal inkjet printer-copier.
C3819A	HP CopyJetM PostScript™ configuration (includes HP JetDirect Print Server for Ethernet and LocalTalk, J2552A) is a network-configured, PostScript™, bundled, plain paper, drop-on-demand thermal inkjet printer-copier.

The HP CopyJet is an inkjet device offering both colour printing and colour copying in one affordable product.

The HP CopyJet printer-copier does not compromise quality, speed, or reliability.

Robust driver support, strong network features, and colour copies at the press of a single button make this printer-copier a must for any office looking for convenient colour.

PRINTER

Print Quality   HP CopyJet/M printer output is 600 x 300 dpi black text with Resolution Enhancement technology (REt) and ColorSmart™.   Print Cartridges use four high-capacity print cartridges; cyan, magenta, yellow and black; 42cc ink per cartridge.   Out-of-ink sensing stops printing and notifies user when a cartridge is out of ink.   Up to 16.7 million colours built in; get vivid colours easily with HP ColorSmart™ technology.

Speed and Throughput   Up to 7-pages-per-minute (ppm) rated engine speed for black-and-white documents. Up to 3-ppm rated engine speed for mixed text and colour graphics.   Up to 1-ppm rated engine speed for full colour.

Typeface Capabilities   HP CopyJet: Enhanced HP PCL 5c, PJL and HP GL/2 printer languages are standard. Adobe™ PostScript™ Level 2 software is available in a SIMM-based option. HP CopyJet M: All the above plus Adobe™ PostScript™ Level 2 are standard.

Memory	3 SIMM slots for memory and PostScript modules. **HP CopyJet**: Standard 5 Mbytes, expandable to 53 Mbytes. Up to 39 Mbytes with PostScript upgrade installed. **HP CopyJet M:** Standard 7 Mbytes, expandable to 39 Mbytes. Memory Enhancement technology (MEt) allows most large, complex files to print within base memory
Connectivity	Fast Centronics parallel interface provides data transfer up to 200KB/second. Network interface slot accepts all HP JetDirect print servers. Etheret/LocalTalk HP JetDirect print server included with HP CopyJetM printer-copier. Automatic language and I/O switching. Network protocol sensing.
Printer Languages	**HP CopyJet:** Enhanced HP PCL 5c, PJL an HP GL/2 printer languages are standard. Adobe™ PostScript™ Level 2 software is available in a SIMM-based option. **HP CopyJet M:** All the above plus Adobe™ PostScript™ Level 2 are standard.
Power	100 to 240 volts AC ± 10%. 50/ 60 Hz, 300 watts peak, 220 watts average maximum.
Dimensions	Width: 460.5 mm. Depth: 333 mm. Height: 577.9 mm. Weight: 30 kg.
Product Certification	Pantone approved colours; Novell certified; UL listed to UL1950; CSA certified to CSA 22.2 No. 950; NEMCO licensed; complies with EN60950, DGN-approved; EMI: FCC certified Class B, DOC level B, EN 55022 Class B (Class A when using optional Class A network peripheral interface cards). PrEN 55024-2; prEN 55024-3; prEN 55024-4; registered VCCI, Class 2; approved under General Approval NS/G/1234/J/100003 for indirect connection to public communication systems within the United Kingdom.
Duty Cycle	Rated maximum monthly usage: 8000 pages.
Warranty	One-year warranty. Express Product Exchange Service. HP SupportPack is available.

COPIER

Print Quality	HP CopyJet/M copier output is 300 dpi scan resolution and 30 bit digital scan source. Resolution; 16.7 million brilliant colours, and monochrome text with text enhancement technology. 50-400% reduction/enlargement capabilities in 1% increments: 6 preset settings.
Speed and	

Throughput   Full-colour multicopy speed; 75 seconds for 1 copy, 1 cpm for Multi-copy.   For black only
                        multicopy speed; 30 seconds for 1 copy and 4 cpm for Multi-copy.

Specifications

Paper Types   Letter, legal and A4
and Weights   Types; Cut-sheet plain paper (all sizes above); transparency film; inkjet paper and glossy

                        paper. 60 to 90g/m

Duty Cycle   Rated maximum monthly usage: 2,000 pages.

HP CopyJet and CopyJet M Printer-Copier

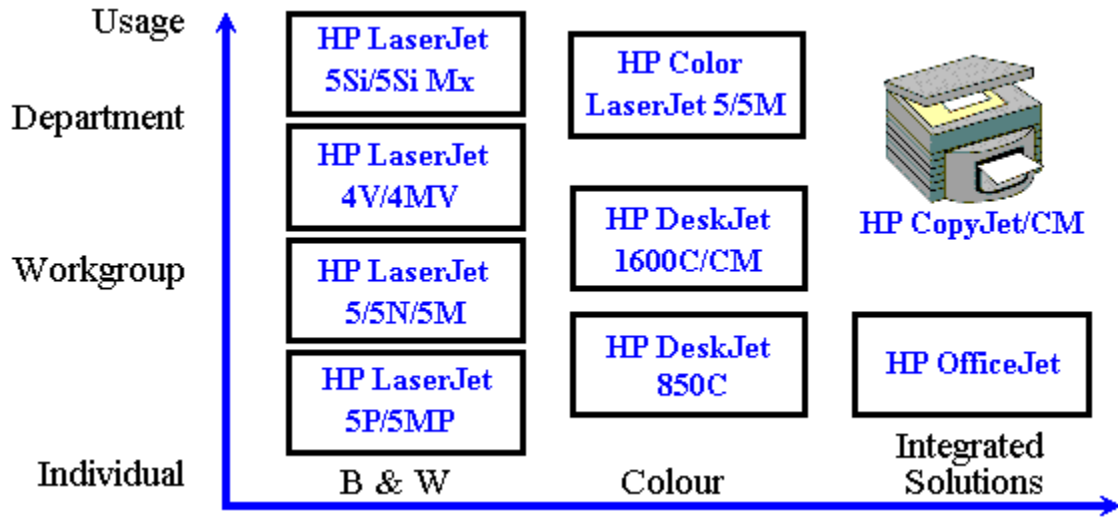**Product Summary And Technical Specifications**   Positioning And Benefits   **Cost-Per-Page Summary**
Product And Accessories   *Main Menu*

Positioning And Benefits

RELIABILITY

World-class product support through HP ECSC.

Easy-to-maintain print cartridge system.

Product support through the European Customer Support Centre provides no-hassle maintenance.

Worry-free: product exchange warranty can be upgraded from one to three years.

Combines performance and quality that everyone wants with the reliability that everyone has come to expect from an HP colour printer.

PERFORMANCE AND PRINT QUALITY

Output 300 x 300 dpi colour, 600 x 300 dpi black.

HP ColorSmart™ automatic colour rendering.

Text enhancement technology for sharp copying of black text.

Resolution Enhancement technology (REt).

Print Speeds: up to 7 ppm for black text
up to 3 ppm for colour

Copying Speeds: 4 copies-per-minute (cpm) black-and-white
1 cpm for colour

Duty Cycle: Printer: 8,000 pages per month
Copier: 2,000 pages per month

End-users benefit by high-quality colour copying and robust network printing in a single device.

Black text and graphics print sharp and clean due to HP's exclusive Resolution Enhancement technology (REt).

Designed specifically for the demands of business.

MANAGEABILITY AND NETWORKABILITY

HP PCL 5 and true Adobe™ PostScript™ Level 2 printing languages.

Driver support for Windows, Macintosh, OS/2 and UNIX.

HP JetDirect print server support for all major network operating systems.

Support for HP JetAdmin Network software utility.

Expandable: the CopyJet's MIO slot accepts optional HP JetDirect print servers for support and automatic switching between 12 network operating systems.

HP CopyJet M is network ready with an HP JetDirect print server, Adobe Postscript, and extra memory.

Fast Centronics parallel interface provides data transfer up to 200KB/second. Network interface slot accepts all HP JetDirect print servers.   Ethernet/LocalTalk HP JetDirect print server included with HP CopyJet M printer-copier.   Automatic language and I/O switching. Network protocol sensing.

RESULTS

All-in-one, full-feature colour copying and networkable printing.

Quick, convenient , cost-effective business colour, by printing and copying.

HP ColorSmart™ software ensures colours and dither patterns look their best.

Premium print quality on any kind of paper: print on plain paper, inkjet paper, glossy paper or transparency.

Outstanding speed and print quality to meet the demands of today's fast-paced office environment.

Black text and graphics print sharp and clean with REt.

EASE OF USE

No-hassle maintenance.

Designed for business use with full-size legal flatbed scanning surface and hinged/detachable cover.

Adjustable colour controls.

Enlarge or reduce copies from 50 to 400% (1% increments).

1-99 multiple copies and 180 sheet high capacity paper tray.

Easy to set up and use.

Adjustable colour controls provide greater control and versatility.

Enlarging and reducing documents accomplished easily by manually selecting 1% increments or by choosing one of the eight pre-set settings.

MIO slot makes the CopyJet easy to share over a network.

COST

Low cost-per-page.

Excellent print quality on plain paper and recycled stock.

Out-of-ink sensing.

4 separate print cartridges.

HP CopyJet actually pays for itself

prints and copies cheaper and faster than printers and copiers costing much more.

HEWLETT PACKARD Reduces Service Bureau costs by its ability to reproduce and print colour images.

HEWLETT PACKARD The only printer/copier in its class at one low purchase price.

System Compatibility

System	Software	HP CopyJet	HP CopyJet M
PC/XT/AT and compatibles	MS-DOS	*	*
386- and 486-based computers	MS-DOS	*	*
	Windows	*	*
	OS/2	*	*
Apple Macintosh	System 6.0.7 and higher		*
Workstations	HP-UX		*
	SunOS, Solaris		*
	SCO UNIX		*

Typefaces

35 Intellefont scaleable typefaces
10 TrueType scaleable typefaces
35 Adobe Type 1 scaleable typefaces for PostScript (HP CopyJet M)
1 bitmapped font

Physical Specifications

Height x width x depth: 578 x 461 x 330 mm
Net weight: 30 kg

Duty Cycle

Rated monthly usage: 2000 pages

Product Certifications

Pantone-approved colours; Novell certified.
Safety: UL listed to UL1950; CSA certified to CSA 22.2 No. 950; EMKO licensed; complies with EN60950.
EMI: FCC certified Class B, NOMO-16-SCFI-1993, EN 55082-1; 1992, ICES-300, Issue 2, EN55022 Class B (Class A when using optional Class A network peripheral interface cards); prEN 55024-2; prEN 55024-3; prEN 55024-4; Registered VCCI, Class 2.

Cost-Per-Page Summary

What Country Are You From?

Belgium	Denmark	Finland	France	Germany
Greece	Holland	Ireland	Italy	Norway
Portugal	Spain	Sweden	Switzerland	United Kingdom

HEWLETT PACKARD

HP CopyJet and CopyJet M Printer-Copier **HEWLETT PACKARD**

Product Summary And Technical Specifications   Positioning And Benefits   Cost-Per-Page Summary
Product And Accessories   *Main Menu*

Product And Accessories

C3817A	HP CopyJet colour printer-copier
C3819A	HP CopyJet network-ready colour printer-copier (includes HP JetDirect Print Server for Ethernet and LocalTalk, J2552A).
C4632A	HP CopyJet PostScript Level 2 Upgrade Kit.
C3130A	1-Mbyte SIMM
C3131A	2-Mbyte SIMM
C3132A	4-Mbyte SIMM
C3133A	8-Mbyte SIMM
C3146A	16-Mbyte SIMM
C3578A	32-Mbyte SIMM

HP JetDirect Print Servers

J2552A	HP JetDirect card for Ethernet (10Base-T and 10Base2 [Thin Coax]) and LocalTalk (DIN-8)
J2555A	HP JetDirect card for Token Ring (DB9, RJ45)
J2374B	HP JetDirect interface software for HP-UX systems
J2375B	HP JetDirect card HP JetDirect interface Software for SunOS and Solaris UNIX systems

Cables

C2950A	HP-recommended parallel cable, 2 meter
C2951A	HP-recommended parallel cable, 3 meter
92215S	Macintosh serial cable
92215N	Macintosh Network Cable Kit

Print Cartridges

51640A	Black print cartridge
51640C	Cyan print cartridge
51640M	Magenta print cartridge
51640Y	Yellow print cartridge

What Is It? The HP Color CopyJet/M printers incorporate the new HP Image Resolution Enhancement technology 1200 (Image REt 1200).   The result is photorealistic 1200-dpi-equivalent image quality, millions of solid colours and office standard HP CopyJet quality text.

How Does It work? HP Image REt 1200 technology, through accurate colour control techniques, lets the printer precisely blend up to four toner colours together--within the space of a single dot--to create a true solid colour.   Like an artist mixing paints on a palette to get a desired colour, HP Image REt 1200 ensures precise colour creation by telling the HP Color CopyJet/M printers to "blend" the exact amounts of primary colour toner needed to achieve a required shade.

For example, to print a solid, dark orange dot, HP Image REt 1200 "blends" a small amount of magenta toner with a larger amount of yellow toner and a tiny amount of black toner.   If a slightly lighter shade is specified, HP Image REt 1200 precisely adjusts the amounts of magenta, yellow and black toner accordingly.

Older colour printers were forced to create colours by placing them side by side in dithered patterns, and the result is grainy, lower-resolution colour output.   The HP Color CopyJet/M printers, with HP Image REt 1200, can place colours on top of each other in precise proportions, and the result is solid, pattern-free colours.   With HP Image REt 1200 technology, the HP Color CopyJet/M printers join a new class of colour laser printers that produce smooth, "continuous tone" print quality.

What's The Benefit? **Photorealistic image quality:**   HP Image REt 1200 creates images that are 1200-dpi-equivalent.   Images printed on the HP Color CopyJet/M printers show a high level of detail, and colour transitions are smooth and natural.

Millions of solid colours: Graphics are sharp and crisp.   Colors are pattern-free, without the dithered, lower-resolution look of older colour printers.

Office standard HP LaserJet quality text: Crisp and readable, in black or any colour.

HP PCL 5

What Is It? The HP Color CopyJet/M Windows Printing System is a collection of software designed to deliver great Windows colour printing. The software includes a ColorSmart™ (PCL and PostScript) Printer Driver for Windows 3.1 and 3.11, Windows for Workgroups 3.11, and Windows 95; HP FontSmart; HP JetAdmin for 3.1/NetWare; HP JetAdmin for Windows 95/NetWare; and an installer for easy installation of the system.   The PCL Windows Printing System ships with the HP Color CopyJet/M printers.

How Does It Work? With the Windows Printing System, users install the Windows printer driver and HP FontSmart on their computers. The driver allows Windows applications to communicate with the HP Color CopyJet/M printers.   A printer driver, the software that converts application output data into instructions for the printer, is accessible through the Windows Program Manager/Control Panel or through Windows applications. The Windows driver that is included with the HP Color CopyJet/M Windows Printing System integrates HP ColorSmart, HPs unique colour management technology.

HP ColorSmart™ is a set of defaults that automatically apply to your colour output for different object types   Text, Graphics and Photos.   This capability is especially useful for documents that include multiple object types. ColorSmart™ defaults provide high quality output for many colour printing needs.   Users can   turn the defaults off for enhanced colour control and adjust settings manually.

The Windows Printing System also includes HP FontSmart, a font management program for most fonts available in Windows.   Users can create, delete, and manage True Type fonts as well as Adobe PostScript Type 1 fonts.   FontSmart includes a collection of 110 screen and printer fonts. FontSmart saves disk space by storing fonts in a compressed format until they are installed and ready to use.

HP JetAdmin for 3.1/NetWare and HP JetAdmin for Windows 95 are also included in the Windows Printing System.   More information on this software can be found in "Connectivity Solutions" Notables.

What's The Benefit? **Ease of Use**--The installer guides users through the installation of all important software components. The printer driver and FontSmart have detailed on-line and context sensitive help.   ColorSmart™ makes colour printing as easy as black and white printing.

Great Colour Documents--ColorSmart™ allows easy, high quality colour document creation.   Manual settings allow for maximum colour and print quality control. Great variety of Windows fonts.

Flexibility--Users can choose among PCL or PostScript, manual or automatic driver settings, and font compression to store unused fonts.

Great Windows printing--All the elements needed for fast, high-quality Windows printing.

Close **Print**

HEWLETT PACKARD

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.020 Pounds	0.033 Pounds	0.079 Pounds	0.178 Pounds
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HEWLETT PACKARD

HP CopyJet/M - France

Close Print

HEWLETT PACKARD

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	5%	12%	32%	73%
Local cost-per-page:	0.15 French Francs	0.25 French Francs	0.60 French Francs	1.36 French Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Italy

[Close] [Print]

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	46.95 Lira	78.25 Lira	187.80 Lira	422.55 Lira
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HEWLETT PACKARD

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.04 Marks	0.07 Marks	0.17 Marks	0.40 Marks
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.910 Belgium Francs	1.520 Belgium Francs	3.650 Belgium Francs	8.227 Belgium Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	5%	12%	32%	73%
Local cost-per-page:	0.050 Guilders	0.083 Guilders	0.198 Guilders	0.446 Guilders
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Sweden

Typical documents: Letter, Memo | Marketing Documents, Spreadsheet | Newsletter, Heavy Graph | Heavy Imaging

Example of coverage: 5% | 12% | 32% | 73%

Local cost-per-page: 0.20 Krona | 0.33 Krona | 0.80 Krona | 1.80 Krona

Type of application: Word Processing | Word Processing, Spreadsheet | Desktop Publishing | Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Finland

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.139 Markka	0.231 Markka	0.554 Markka	1.247 Markka
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.17 Krone	0.28 Krone	0.68 Krone	1.54 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Spain

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	3.73 Peseto	6.22 Peseto	14.94 Peseto	33.62 Peseto
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Ireland

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	5%	12%	32%	73%
Local cost-per-page:	0.019 Punt	0.032 Punt	0.076 Punt	0.172 Punt
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Greece

HEWLETT PACKARD

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	7.22 Drachma	12.03 Drachma	28.89 Drachma	65.00 Drachma
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Portugal

Close **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	4.56 Escudo	7.60 Escudo	18.24 Escudo	41.04 Escudo
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

Close   **Print**

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.03 Swiss Francs	0.06 Swiss Francs	0.14 Swiss Francs	0.32 Swiss Francs
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP CopyJet/M - Norway

Typical documents:	Letter, Memo	Marketing Documents, Spreadsheet	Newsletter, Heavy Graph	Heavy Imaging
Example of coverage:	**5%**	**12%**	**32%**	**73%**
Local cost-per-page:	0.19 Krone	0.32 Krone	0.76 Krone	1.73 Krone
Type of application:	Word Processing	Word Processing, Spreadsheet	Desktop Publishing	Image

The above information is based on consumables **list** price in April 1996.
The cost-per-page may vary depending on the mix of colours for a specific coverage.
The cost-per-page may vary depending on the End-User price of the consumables.
Ink costs only.   Price of paper will increase overall cost-per-page.
These are print costs.   Copy costs may be slightly less due to resolution differences.

HP ColorSmart

What Is It?   Colour Management tools allow users to produce specific colour output quickly and easily.   For the average user, colour is made simple through the HP Color CopyJet/M's ColorSmart™ settings.   Advanced users can fine-tune colour output with multiple controls, such as ICC and Pantone profiles, and the HP Color Swatch Utility.   Each technology provides a different solution to achieve optimal colour printing.

HP ColorSmart technology allows automatic definition of halftone and colour settings by object type: Text, Graphics and Photos.   ColorSmart defaults provide high-quality output for most colour printing needs. Users can also turn the defaults off and adjust settings manually for enhanced colour control. This capability is especially useful for documents that include multiple object types.

ICC Profiles are available with the Windows 95 PCL driver, and support for Color Sync 2.0 will be available in Fall 1996.   ICC Profiles support ICC-compatible Colour Management Systems.   Colour management systems allow users to calibrate colours between monitors, scanners and printers. This technology provides cross-device colour matching and colour consistency between applications.

The **PANTONE** Color Matching System calibrates computer-generated colour to predefined ink-based colours.   This system, traditionally used by graphic artists, is especially useful in matching a company's colours used in logos, product packaging, or company literature.

The **HP Color Swatch Utility** prints swatches that identify each colour by RGB (Red-Green-Blue) or CMYK (Cyan-Magenta-Yellow-Black) values.   This utility is useful for identifying, matching, and generating specific colours.

How Does It Work?   **HP ColorSmart** optimizes colour and halftoning automatically by using default settings for Text, Graphic, and Photo object types.   The printer recognizes different object types, such as text, vector, graphic, and raster images, and assigns ColorSmart settings accordingly. Users can also turn off the default ColorSmart settings and adjust the colour, halftone, lightness, and saturation output for the different object types.

ColorSmart is enabled through the HP printer drivers and is supported in the following environments: Windows 3.1 (PCL & PostScript), OS/2 (PCL & PostScript), Mac GX and Quickdraw (first half of 1996), Windows 95 PCL and PostScript.

ICC Profiles work with a variety of colour management systems to simplify colour matching between different devices, such as monitors, scanners, and printers.

The **PANTONE Color Matching System** is also enabled through an HP Color LaserJet 5/5M profile. PANTONE profiles are accessed directly from applications, such as CorelDraw!, Adobe Illustrator, Micrografx Picture Publisher, and Adobe Photoshop.   HP Color CopyJet/M Pantone profiles will be available through fulfillment at product introduction.   The Pantone setting in the HP Color CopyJet/M printer drivers must be selected in conjunction with the PANTONE profiles.

The **Color Swatch Utility** prints up to eight pages of example colours and their accompanying RGB or CMYK values.   By typing a simple DOS command, users can specify the colour type and the pages desired.   With these pages, users can identify specific colour swatches they'd like to match, and generate that colour by defining the appropriate values within applications.   The Color Swatch Utility is included on the printer's DOS driver diskette.

What's The Benefit?   The HP Color CopyJet/M provides users with a versatile set of colour management tools to generate their desired colour output.

Simple, automatic colour plus unmatched colour control using ColorSmart defaults and manual colour settings.

Cross-device colour matching through ICC Profiles.

HEWLETT PACKARD

Specific colour matching through Pantone profiles and the HP Color Swatch Utility.

What Is It? Colour Management tools allow users to produce specific colour output quickly and easily. For the average user, colour is made simple through the HP Color DeskJet 1600C/CM's ColorSmart™ settings. Advanced users can fine-tune colour output with multiple controls, such as ICC and Pantone profiles, and the HP Color Swatch Utility. Each technology provides a different solution to achieve optimal colour printing.

HP ColorSmart technology allows automatic definition of halftone and colour settings by object type: Text, Graphics and Photos. ColorSmart defaults provide high-quality output for most colour printing needs. Users can also turn the defaults off and adjust settings manually for enhanced colour control. This capability is especially useful for documents that include multiple object types.

ICC Profiles are available with the Windows 95 PCL driver, and support for Color Sync 2.0 will be available in Fall 1996. ICC Profiles support ICC-compatible Colour Management Systems. Colour management systems allow users to calibrate colours between monitors, scanners and printers. This technology provides cross-device colour matching and colour consistency between applications.

The **PANTONE** Color Matching System calibrates computer-generated colour to predefined ink-based colours. This system, traditionally used by graphic artists, is especially useful in matching a company's colours used in logos, product packaging, or company literature.

The **HP Color Swatch Utility** prints swatches that identify each colour by RGB (Red-Green-Blue) or CMYK (Cyan-Magenta-Yellow-Black) values. This utility is useful for identifying, matching, and generating specific colours.

How Does It Work? **HP ColorSmart** optimizes colour and halftoning automatically by using default settings for Text, Graphic, and Photo object types. The printer recognizes different object types, such as text, vector, graphic, and raster images, and assigns ColorSmart settings accordingly. Users can also turn off the default ColorSmart settings and adjust the colour, halftone, lightness, and saturation output for the different object types.

ColorSmart is enabled through the HP printer drivers and is supported in the following environments: Windows 3.1 (PCL & PostScript), OS/2 (PCL & PostScript), Mac GX and Quickdraw (first half of 1996), Windows 95 PCL and PostScript.

ICC Profiles work with a variety of colour management systems to simplify colour matching between different devices, such as monitors, scanners, and printers.

The **PANTONE Color Matching System** is also enabled through an HP Color LaserJet 5/5M profile. PANTONE profiles are accessed directly from applications, such as CorelDraw!, Adobe Illustrator, Micrografx Picture Publisher, and Adobe Photoshop. HP Color DeskJet 1600C/CM Pantone profiles will be available through fulfillment at product introduction. The Pantone setting in the HP Color DeskJet 1600C/CM printer drivers must be selected in conjunction with the PANTONE profiles.

The **Color Swatch Utility** prints up to eight pages of example colours and their accompanying RGB or CMYK values. By typing a simple DOS command, users can specify the colour type and the pages desired. With these pages, users can identify specific colour swatches they'd like to match, and generate that colour by defining the appropriate values within applications. The Color Swatch Utility is included on the printer's DOS driver diskette.

What's The Benefit? The HP Color LaserJet 5/5M provides users with a versatile set of colour management tools to generate their desired colour output.

Simple, automatic colour plus unmatched colour control using ColorSmart defaults and manual colour settings.

Cross-device colour matching through ICC Profiles.

HEWLETT
PACKARD

Specific colour matching through Pantone profiles and the HP Color Swatch
Utility.

What Is It?   Out-of-ink sensing alerts the user when a cartridge is out of ink or has restricted ink flow.   When alerted, the user can replace the cartridge or prime it.

How Does It Work?   *Step 1*.   When a new ink cartridge is installed, HP CopyJet resets a counter dedicated to that cartridge slot.   It counts the number of droplets released for that cartridge.

Step 2.   When the counter indicates that most of a cartridge's ink has been used, HP CopyJet begins frequent tests of the nozzles for the presence of ink.   When no ink is detected, printing or copying stops and HP CopyJet displays a "check print cartridge" message in the display.   A blinking arrow in the message window flags the cartridge that is out of ink.   If this occurs during a print job, the user's computer or network server may pass some type of "check printer" message to the user.

Step 3.   The user can install a new cartridge and continue printing.   In this case the ink-droplet counter for that cartridge is restarted at zero.   Or, the user can continue printing with the failed cartridge, preferably after priming it.   In this case, HP CopyJet re-tests the failed cartridge at the end of each page.   The user is notified every time the cartridge fails.   This cycle of re-testing continues until the cartridge either passes a test or is replaced.

Even when none of the counters indicates low ink HP CopyJet tests each cartridge periodically to detect restricted ink flow.   If restricted ink flow is found, the user can then prime the cartridge manually by opening the cover, moving the cartridge selector to the clogged cartridge, and pressing the plunger next to the cartridge mechanism.

Each print cartridge has a built-in electronic "ID" which HP CopyJet reads.   The HP CopyJet can maintain droplet counts for two cartridges per slot.   This allows users to swap same-colour cartridges.   More-full cartridges can be used for long jobs; less-full cartridges for small jobs.   As long as no more than two same-colour cartridges are interchanged, the HP CopyJet can track them.

What's The Benefit?   By halting a job when a cartridge is empty or when restricted ink flow is detected, out-of-ink sensing provides several important benefits:

Saves money by reducing ink and media waste

Saves time, because jobs come out right the first time

Saves wear-and-tear on print mechanism

Increases the HP CopyJet's availability since fewer repeat jobs are run

By tracking two cartridges per slot, HP CopyJet allows greater flexibility to use all of the ink in a cartridge.

Out-of-Ink Sensing

What Is It? Out-of-ink sensing alerts the user when a cartridge is out of ink or has restricted ink flow.   When alerted, the user can replace the cartridge or prime it.

How Does It Work? *Step 1*.   When a new ink cartridge is installed, HP DeskJet resets a counter dedicated to that cartridge slot.   It counts the number of droplets released for that cartridge.

Step 2.   When the counter indicates that most of a cartridge's ink has been used, HP DeskJet begins frequent tests of the nozzles for the presence of ink.   When no ink is detected, printing or copying stops and HP DeskJet displays a "check print cartridge" message in the display.   A blinking arrow in the message window flags the cartridge that is out of ink.   If this occurs during a print job, the user's computer or network server may pass some type of "check printer" message to the user.

Step 3.   The user can install a new cartridge and continue printing.   In this case the ink-droplet counter for that cartridge is restarted at zero.   Or, the user can continue printing with the failed cartridge, preferably after priming it.   In this case, HP DeskJet re-tests the failed cartridge at the end of each page.   The user is notified every time the cartridge fails.   This cycle of re-testing continues until the cartridge either passes a test or is replaced.

Even when none of the counters indicates low ink HP DeskJet tests each cartridge periodically to detect restricted ink flow.   If restricted ink flow is found, the user can then prime the cartridge manually by opening the cover, moving the cartridge selector to the clogged cartridge, and pressing the plunger next to the cartridge mechanism.

Each print cartridge has a built-in electronic "ID" which HP DeskJet reads.   The HP DeskJet can maintain droplet counts for two cartridges per slot.   This allows users to swap same-colour cartridges.   More-full cartridges can be used for long jobs; less-full cartridges for small jobs.   As long as no more than two same-colour cartridges are interchanged the HP DeskJet can track them.

What's The Benefit? By halting a job when a cartridge is empty or when restricted ink flow is detected, out-of-ink sensing provides several important benefits:

HEWLETT
PACKARD Saves money by reducing ink and media waste

HEWLETT
PACKARD   Saves time, because jobs come out right the first time

HEWLETT
PACKARD   Saves wear-and-tear on print mechanism

HEWLETT
PACKARD   Increases the HP DeskJet's availability since fewer repeat jobs are run

By tracking two cartridges per slot, HP DeskJet allows greater flexibility to use all of the ink in a cartridge.

Adobe PostScript Level 2

What Is It?	PostScript is a programming language called a Page Description Language (PDL). PDLs arrange text, graphics and images on an area equivalent to a printed page prior to printing by a raster image device. PostScript, like HP's PDL page description language, gives users comprehensive control over the appearance of the printed page. Adobe Systems Inc. developed Adobe PostScript.
	Adobe PostScript is a proprietary page description language owned solely by Adobe and licensed to HP. HP's relationship with Adobe started in 1988 when HP began shipping PostScript for the HP LaserJet III printer. The solution was co-developed by HP and Adobe. Since that time, HP and Adobe have worked together to provide PostScript solutions on HP LaserJets, DeskJets, PaintJets and DesignJets.
	Other manufacturers have PostScript implementations -- "clones". These clones allow their printers to receive and process PostScript commands. But "true" Adobe PostScript printers, such as the HP DeskJet 1600CM, actually use Adobe's code. Actually using Adobe's code assures 100% compatibility in PostScript printing. The HP DeskJet 1600CM is in compliance with the Adobe PostScript standard. Adobe is the "original" PostScript and claims the best quality and the best performance versus the PostScript clones.
How Does It Work?	The HP DeskJet 1600CM receives a description of the page to be printed -- including lines, shapes, fonts, and colours -- and formats that information on a specialized processor built into the PostScript SIAM. The processor then converts that information into dots on the page and sends it to the printer to be printed.
What's The Benefit?	The benefits of PostScript are:

 The exact same file can print on more than one PostScript device. This is known in the industry as device independence.

 Mixed host environments (i.e. Windows/DOS, MAC) can share the PostScript printer on a network.

 Provides consistent colour across PostScript Level 2 devices.

You should purchase the PostScript option if:

1. You are using a software program that works best if output on a PostScript printer (example: Adobe Illustrator)

2. You want the exact same print file to print on more than one device. Graphic artists often need to do this when they print a file on a local printer (this is called "proofing") before sending the file to a typesetter for final printing.

3. You plan to connect one or more Macintosh computers. PostScript is required for the Macintosh to print on the HP DeskJet 1600C printer.

If you still are not sure you need PostScript, the HP DeskJet 1600C printer allows you the flexibility of purchasing it later when the need becomes apparent.

Adobe PostScript Level 2

What Is It?   PostScript is a programming language called a Page Description Language (PDL).   PDLs arrange text, graphics and images on an area equivalent to a printed page prior to printing by a raster image device.   PostScript, like HP's PDL page description language, gives users comprehensive control over the appearance of the printed page.   Adobe Systems Inc. developed Adobe PostScript.

Adobe PostScript is a proprietary page description language owned solely by Adobe and licensed to HP.   HP's relationship with Adobe started in 1988 when HP began shipping PostScript for the HP LaserJet III printer.   The solution was co-developed by HP and Adobe.   Since that time, HP and Adobe have worked together to provide PostScript solutions on HP LaserJets, DeskJets, PaintJets and DesignJets.

Other manufacturers have PostScript implementations -- "clones".   These clones allow their printers to receive and process PostScript commands.   But "true" Adobe PostScript printers, such as the HP CopyJet M, actually use Adobe's code.   Actually using Adobe's code assures 100% compatibility in PostScript printing.   The HP CopyJet M is in compliance with the Adobe PostScript standard.   Adobe is the "original" PostScript and claims the best quality and the best performance versus the PostScript clones.

How Does It Work?   The HP CopyJet M receives a description of the page to be printed -- including lines, shapes, fonts, and colours -- and formats that information on a specialized processor built into the PostScript SIMM.   The processor then converts that information into dots on the page and sends it to the printer to be printed.

What's The Benefit?   The benefits of PostScript are:

HEWLETT PACKARD   The exact same file can print on more than one PostScript device. This is known in the industry as device independence.

HEWLETT PACKARD   Mixed host environments (i.e. Windows/DOS, MAC) can share the PostScript printer on a network.

HEWLETT PACKARD   Provides consistent colour across PostScript Level 2 devices.

You should purchase the PostScript option if:

1.   You are using a software program that works best if output on a PostScript printer (example: Adobe Illustrator)

2.   You want the exact same print file to print on more than one device.   Graphic artists often need to do this when they print a file on a local printer (this is called "proofing") before sending the file to a typesetter for final printing.

3.   You plan to connect one or more Macintosh computers.   PostScript is required for the Macintosh to print on the HP CopyJet printer-copier.

If you still are not sure you need PostScript, the HP CopyJet printer allows you the flexibility of purchasing it later when the need becomes apparent.

HEWLETT ®
PACKARD

HEWLETT ®
PACKARD

HP JetPrint for Novell NetWare

What Is It?   HP's most advanced network printer management capabilities are integrated into the latest release of the HP JetPrint Utility for NetWare.   This version boasts all the functionality of the previous version plus additional benefits provided for the HP DeskJet 1600C and 1600CM printers with the HP JetDirect networking card installed (J2552A).

How Does It Work?   JetPrint works with Windows 3.X, Windows for Workgroups 3.X, Windows NT, and Win-OS/2. Users have easy access to all assigned printers on the NetWare network.   Automatic installation of the HP Windows printer driver plus printer and print job status enhance the user's network printer experience.

What's The Benefit?   **New icons...**
HP JetPrint will automatically associate an icon depicting the HP DeskJet 1600C/CM printers on the network.   The user is presented an easy-to-recognize icon instead of a long queue name.

General usability and performance enhancements...
HP JetPrint supports *Always-on-top* and features an enhanced user interface.

Network printer ease of use...
Easy selection of network printers, drag-and-drop printing, and printer and print job status information such as job complete, out of paper, etc.

Favorite Printers...
Users have the ability to create their own list of favorite printers, eliminating the need to browse through all accessible network printers.

Automatic driver install and updates...
HP JetPrint automatically provides access to the newest or latest version printer driver over the network.

Advanced printer status...
HP JetPrint provides real-time printer status through a Management Information Base (MIB).   For example, when a print cartridge runs out of ink, HP JetPrint reports the condition to the user, identifying which ink cartridge needs replacement.

HP JetPrint for Novell NetWare

What Is It? HP's most advanced network printer management capabilities are integrated into the latest release of the HP JetPrint Utility for NetWare. This version boasts all the functionality of the previous version plus additional benefits provided for the HP CopyJet M printer-copiers with the HP JetDirect networking card installed (J2552A).

How Does It Work? HP JetPrint works with Windows 3.X, Windows for Workgroups 3.X, Windows NT, and Win-OS/2. Users have easy access to all assigned printers on the NetWare network. Automatic installation of the HP Windows printer driver plus printer and print job status enhance the user's network printer experience.

What's The Benefit?

New icons...
HP JetPrint will automatically associate an icon depicting the HP CopyJet/CopyJet M printer-copiers on the network. The user is presented an easy-to-recognize icon instead of a long queue name.

General usability and performance enhancements...
HP JetPrint supports *Always-on-top* and features an enhanced user interface.

Network printer ease of use...
Easy selection of network printers, drag-and-drop printing, and printer and print job status information such as job complete, out of paper, etc.

Favorite Printers...
Users have the ability to create their own list of favorite printers, eliminating the need to browse through all accessible network printers.

Automatic driver install and updates...
HP JetPrint automatically provides access to the newest or latest version printer driver over the network.

Advanced printer status...
HP JetPrint provides real-time printer status through a Management Information Base (MIB). For example, when a print cartridge runs out of ink, HP JetPrint reports the condition to the user, identifying which ink cartridge needs replacement.

HP JetDirect Network Card

What Is It? The HP JetDirect Card for Ethernet/802.3, 10Base-T, and 10Base2 networks (HP model number J2552A) is a network interface card that is inserted into the HP DeskJet 1600C printer to provide a direct network interface.   The card supports multiple network operating systems (NOS) including Novell NetWare, Microsoft LAN Manager, OS/2 LAN Server, Windows NT, Windows for Workgroups, Apple EtherTalk, Apple LocalTalk, HP-UX, SunOS, Solaris, SCO UNIX and IBM AIX.   The card comes pre-installed in the HP DeskJet 1600CM PostScript printer, or may be purchased separately and installed in the HP DeskJet 1600C base model printer.

The card allows you to attach a printer directly to your network at any location while providing increased ease of use, network management, and printer I/O performance.   Advanced printer and job management are provided through a Management Information Base (MIB) which is supported through the industry standard Simple Network Management Protocol (SNMP).

The J2552A HP JetDirect network card is included with the HP DeskJet 1600CM PostScript bundle.   Purchasers of the HP DeskJet 1600C (base model) can purchase the card separately.

How Does It Work? The HP JetDirect network card conforms to HP's MIO version 6.0 specification.   It has an onboard processor dedicated to handling network printing and contains the hardware necessary to connect directly into the network wiring.   It plugs into the back of HP DeskJet 1600C printer and functions similarly to -- although much more efficiently than -- a dedicated PC print server.

What's The Benefit? **Flexible location...**
The ability to place the printer anywhere on the network eliminates the need to attach the printer directly to a server or workstation.

Enhanced printer status and diagnostics...
Provides users and administrators status feedback and control of the printer over the network using HP JetPrint and HP JetAdmin network printer utilities.

Automatic Protocol Switching...
Automatically detects the network protocol of a print job and switches to that protocol.

Improved Network Management...
Supports SNMP that allows remote management and troubleshooting of the printer.

What Is It?   The HP JetDirect Card for Ethernet/802.3, 10Base-T, and 10Base2 networks (HP model number J2552A) is a network interface card that is inserted into the HP CopyJet printer-copier to provide a direct network interface.   The card supports multiple network operating systems (NOS) including Novell NetWare, Microsoft LAN Manager, OS/2 LAN Server, Windows NT, Windows for Workgroups, Apple EtherTalk, Apple LocalTalk, HP-UX, SunOS, Solaris, SCO UNIX and IBM AIX.   The card comes pre-installed in the HP CopyJet M PostScript printer-copier, or may be purchased separately and installed in the HP CopyJet base model printer-copier.

The card allows you to attach a printer directly to your network at any location while providing increased ease of use, network management, and printer I/O performance.   Advanced printer and job management are provided through a Management Information Base (MIB) which is supported through the industry standard Simple Network Management Protocol (SNMP).

The J2552A HP JetDirect network card is included with the HP CopyJet M PostScript bundle. Purchasers of the HP CopyJet (base model) can purchase the card separately.

How Does It Work?   The HP JetDirect network card conforms to HP's MIO version 6.0 specification.   It has an onboard processor dedicated to handling network printing and contains the hardware necessary to connect directly into the network wiring.   It plugs into the back of DeskJet 1600C printer and functions similarly to -- although much more efficiently than -- a dedicated PC print server.

What's The Benefit?   **Flexible location...**
The ability to place the printer anywhere on the network eliminates the need to attach the printer directly to a server or workstation.

Enhanced printer status and diagnostics...
Provides users and administrators status feedback and control of the printer over the network using HP JetPrint and HP JetAdmin network printer utilities.

Automatic Protocol Switching...
Automatically detects the network protocol of a print job and switches to that protocol.

Improved Network Management...
Supports SNMP that allows remote management and troubleshooting of the printer.

Reliability

What Is It?   Printer reliability relates to the customer's overall satisfaction with the product.   A reliable printer is one that consistently meets expectations.   When the printing process is interrupted by an unforeseen event (such as a paper jam or software driver error) their perception of the printer's reliability is affected.   Therefore, a reliable printer is one that minimises the number of customer interactions and downtime to restocking consumables.   Two popular measurements of printer reliability are *mean-time-between-failures* (MTBF **HEWLETT PACKARD** expected time elapsed between printer failures) and *mean-time-between-interactions* (MTBI

HEWLETT PACKARD expected time elapsed between abnormal printer interactions).   However, there is no industry-standard process for obtaining these numbers, so they are difficult to interpret.   Therefore, HP has developed a more friendly specification called *duty cycle*.   This refers to the number of pages per month a customer should consider the maximum usage of the product.   Therefore, duty cycle is a key element in determining the appropriate printer for a given customer.

What's The Benefit?   Recent surveys show that over 99% of customers purchasing printers for business consider reliability as an important factor in their decision.   Reliability is not normally considered a top consideration (i.e. customers seldom choose a printer solely because it is the most reliable printer on the market), but a printer that is not perceived as reliable will usually not be investigated further, no matter how rich its feature set.   Of particular interest is the fact that customers attribute reliability to the manufacturer, not to an individual model.   Most customers do not go beyond that, but a few customers, government buyers and those more experienced with buying printers, will ask for MTBF numbers.   HP does not make a regular practice of sharing MTBF numbers publicly, but they are available if required for a sale or contract.   Duty cycle is published on all product literature and should be used freely in the sales process.

Why Buy HP?   HP enjoys a very good reputation of reliability thanks to an amazing track record with both HP LaserJet and DeskJet lines.   Building a reputation for building a reliable product comes with time. HP has been manufacturing quality colour printers for ten years, beginning with the HP PaintJet which was introduced in 1986.   And before that, HP was the market leader in colour pen plotters. HP continues that leadership with innovative products and exciting technologies such as Thermal InkJet (TIJ), Colour Resolution Enhancement technology (C-REt), an internal heater, ColorSmart™, and pigmented black inks.

One final thought: HP is the leader in inkjet technology.   All the inkjet products in the HP line have stood the test of millions of satisfied customers.   The HP DeskJet 1600C and the HP CopyJet are particularly well-suited for the office because of their robust performance and dependable print quality.   HP backs these colour office printers with a one-year warranty that includes all parts, labor, shipping and handling.   Industry-leading print quality, robust performance, high duty-cycles and excellent warranties are all important parts of HP's reliability story.

HP JetAdmin

Close   Print

HP JetAdmin Features

	JetAdmin for NetWare Win 31, DOS, NT/Novell	JetAdmin for Windows 95 Win95/Novell Win 95 net	JetAdmin for OS/2 Lan Ser OS/2 / OS/2	JetAdmin for UNIX UNIX/UNIX	LaserJet Utility (mac) MAC/MAC	Windows NT port monitor NT/NT	WfW port redirector W/W net /WfW	Lserv/Lman LAN Server &LAN MGR
1. Ability to configure and print to HP JetDirect printers on the net	*	*	*	*	*	*	*	*
- Ability to easily configure HP JetDirect printers	*	*	*	*	*	*	*	*
- Ability to print to HP JetDirect printers on the net	*	*	*	*	*	*	*	*
2. Printer Visibility and Status	*	*	*	*	*		*	
- Printer status is available to administrator and end-user (paper out, toner low)	*	*	*	*	*	*	*	
- Printers capabilities (colour, duplex, PCL, ppm) are easily visible		*	*		*			
- Administrator can search the net for printers to monitor based on capabilities					*		*	
- Users can see if printer is available before sending a document to print	*	*	*	OS	*			OS
- Printer functions (lock control panel) are available remotely from PC's	*	*	*		*			
- JetAdmin features available for File Server connected printers as well	*	*		OS	NA			
3. Improved Asset Tracking	*	*	*	*	*			
- Printer identity available (i.e. model, name network#, address)	*	*	*	*	*	*	*	*
- Printer capabilities available (i.e. language, duplex, colour, paper)		*	*		*			

Feature	C1	C2	C3	C4	C5	C6	C7	C8
- Printer status capabilities available (ready, printing, toner low, door open)	*	*	*	*	*	*	*	*
4. Auto Driver Distribution, & Configuration	*	*		NA	*			
- Auto driver association and downloading to client system	*	*		NA				
- Auto printer driver configuration for printer options installed (i.e. RAM)	*	*		NA	*			
- Ability for users to select new configured printer on net & "Just Print" to it		*		NA	*	OS	OS	
5. Real Time Job Monitoring				*	*	*		
- Real-time remote printer status for user and administrator	*	*	*	*	*		*	
- "True end-of-job" notification to users and administrators	*	*	*	*				
- Percent complete and page number printing to user and administrator			*	*				
- Enhanced error recovery (printer starts printing at page 19 not page 1)			*	*				
6. Remote Diagnostics	*	*	*	*	*			*
- Diagnostics of JetDirect connection and status	*	*	*	*	*			*
- Diagnostics of file server connection and status	*	*	*	*	NA	NA	NA	*
- Diagnostics "Help icons" for administrator (green, yellow, red)	*	*	*	*				
- Descriptive error messages with recommended solutions to problems			*	*		OS		
- Diagnostics of Network status or statistics (# of bad packed received, etc.)	*	*	*	*				*
- Printer error notification to other users or administrators on the network	*	*	OS	*				OS
- Pro-active alerts for printer								

error states (i.e., cover open, out of toner)	*	*

Table Legend Guide:
*-This benefit is supported by the associated HP JetAdmin software solution.
OS   This benefit is supported by the Operating System/Network Operation System in which the associated HP Jet Admin software solution
NA   This benefit is Not Applicable in the associated NOS/OS environment in which the associated HP JetAdmin software solution resides.

Note: Certain HP JetAdmin and HP JetPrint features may not be available depending upon the level of functionality of the Jet Direct print server or peripheral device used.