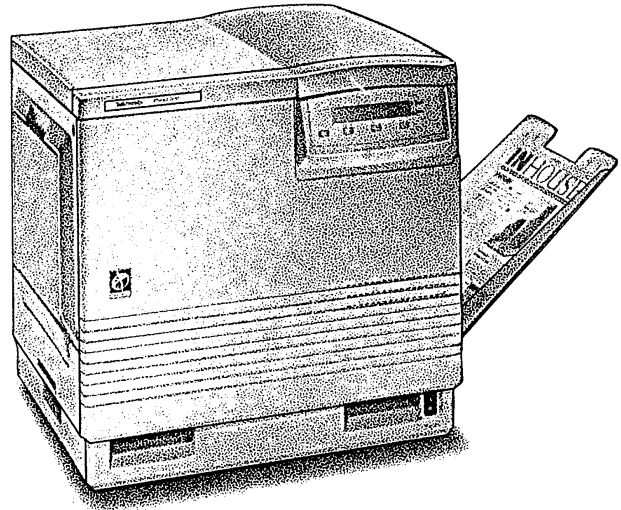


# Phaser<sup>®</sup> 540 Plus color laser printer

Laser-speed, laser-ease, with near photographic-quality

The Phaser 540 Plus brings high-performance color laser printing to business workgroups, at an affordable price.



## On-demand office color printing

Introducing the second generation of color laser printers. This is really something special. It's the world's first desktop color laser printer that provides photorealistic printing in full color on plain paper, at high-performance speeds. Now you can have color laser printing that's easy to use, easy to maintain, and easy to expand as your needs change. All at a price your department can afford. Looking great on paper has never been simpler.

## Extraordinary image quality

Tektronix has advanced the art of desktop color laser printing to a new level. The Phaser 540 Plus delivers continuous-tone output at true 600 x 600 or 300 x 300 dpi resolution. The results are low-cost color documents so striking you simply must see them for yourself.

## High-speed RISC performance

The Phaser 540 Plus was built for speed. Its finely tuned print engine breaks the speed barrier for desktop color lasers — nearly 4 ppm in color, 14 ppm in black-and-white. High-speed image processing is standard, thanks to a 32-MHz RISC processor, complete with Tektronix' advanced image processing. In fact, the next time you need a short-run, commercial printing job, consider printing it at your office on the Phaser 540 Plus. The optional Lower Tray Assembly includes two additional input trays — one for paper and one for transparencies. And you can switch between them right from your computer.



## **Compatible with your system and your software**

In today's workplace, productivity has never been more important. That's why we made the Phaser 540 Plus reliable and easy to use. It was designed from the ground up, for first-time users. It supports PCs, Macintosh, and UNIX workstations. And it's network-direct, with optional PhaserShare™ cards for Ethernet, LocalTalk, and Token Ring networks.

PhaserShare includes a network utility for Novell® NetWare® protocol that provides remote printer status reporting. Genuine Adobe™ PostScript™ Level 2 is standard and enables the Phaser 540 Plus to print from virtually every software package, regardless of platform.

## **High-volume production**

The Phaser 540 Plus can handle all of your department's printing needs. It's a high-volume, central resource for all your color and black-and-white laser printing. With a powerful 20 Mbytes of standard memory, image processing takes place in the printer, not your computer. For added productivity, the Phaser 540 Plus offers job pipe-lining, for nearly continuous output: as one job is printing, the next one is processing. And for the most demanding applications, you can expand the memory to a total of 52 Mbytes, further enhancing throughput.

## **Convenient color copying**

Add greater productivity to your workgroup with the optional Phaser Copystation. The Copystation enables you to make color copies on the Phaser 540 Plus. It's an easy way to incorporate commercially printed material, photographs, or other originals into your presentations — without the extra effort of tracking down the original source or locating electronic files. Plus the Copystation can reduce or enlarge your originals from 25% to 200%. And for the most exacting projects, you can fine-tune individual colors. The Phaser CopyStation brings a new level of convenience and capability to your workgroup.

## **Color is color, until the match is critical**

Our exclusive TekColor Dynamic Correction is built into every Phaser 540 Plus, so you can print the colors you'd like. And matching your company colors has never been easier. Just select the color adjustment you want to match the colors on your computer display, print the brightest transparencies, simulate PANTONE®\* solid colors, or the output of SWOP, Commercial, or Euroscale printing presses.

## **Dare to demo**

Today, every leading PC, Macintosh and UNIX workstation software application is color-capable. The Phaser 540 Plus allows you to take full advantage of your existing hardware and software resources. The bottom-line is simple: you can make every document and presentation you create more effective with color. And in today's competitive business world, why not put the advantages of color to work in your department? Call your authorized Tektronix dealer for a complete product demonstration. For the location of your nearest Tektronix dealer, call **1-800-835-6100**, Dept. M19.

### **Continuous-tone vs. Halftone output**

Most desktop color laser printers provide halftone print images. Regardless of print resolution, halftone images are printed with groupings of equal-sized dots of ink. With continuous-tone printing the size of the dots can be varied providing much smoother color transitions, sharper images, and improved color depth.

\*Pantone Inc.'s check-standard trademark for color reproduction and color reproduction materials.

## Phaser 540 Plus Color Laser Printer Specifications

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**Color Printing Technology** Continuous-tone color laser printer with 600 x 600 or 300 x 300 dpi resolution.

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**Color Control** TekColor Dynamic Correction makes it easy to print the colors you want. Just select the color matching you'd like from the print dialog box. *Vivid Color* provides bright colors and smooth blends for business presentations, charts, and graphs. *Simulate Display* matches the colors you see on your computer monitor. For graphics applications, *SWOP* (Specifications for Web Offset Publications), *Commercial*, or *Euroscale* simulate the output of printing presses.

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**Color Standards** PANTONE®-approved solid color simulations, Adobe PostScript Level 2 device independent color, CIE international color standards, and support for PANTONE Open Color Environment (POCE) and Apple ColorSync color management systems.

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**Workgroup Connectivity** Windows/DOS, OS/2 PCs, Macintosh, and UNIX workstations.

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**Network Interfaces** *Standard:* Bi-directional Parallel; *Optional PhaserShare™ Network Cards:* Ethernet interface with support for EtherTalk, Novell NetWare, and TCP/IP protocols; Token Ring with support for Novell NetWare, TokenTalk, and TCP/IP protocols; or LocalTalk and Serial. All ports are simultaneously active with automatic print queue management.

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**Memory** 20 Mbytes standard, expandable to 36 or 52 Mbytes, in 16-Mbyte increments.

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**Controller** 32-MHz AMD 29030 RISC processor.

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**Languages** Genuine Adobe™ PostScript™ Level 2, with HP-GL™, and PCL®5 (monochrome) emulation to ensure compatibility with leading software programs and file formats of embedded graphics and scanned images. Automatic language sensing and switching.

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**Conservation** EPA Energy Star standby mode for low power consumption.

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**Fonts** 39 resident fonts; additional fonts may be downloaded in memory; built-in support for PostScript Type 1, Type 3, and TrueType™ fonts; SCSI port for Phaser Copystation or external hard-disk storage of additional fonts.

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**Toner Supply** Conveniently integrated into individual cartridges that are clean and easy to handle.

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**Media Types** Cost-efficient, plain-paper printing on common office papers or Tektronix transparencies.

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### Media Size and Image Area

<b>Letter-size Media:</b>	8.5 x 11 in.	8.2 x 10.6 in. full color image area
<b>A4-size Media:</b>	210 x 297 mm	200 x 287 mm full color image area
<b>Legal-size Paper:</b>	8.5 x 14 in.	8.2 x 11.7 in. full color image area, with 1 in. black-and-white header and footer areas (8.2 x 13.6 in.)

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**Input Tray Capacity** Paper trays: 250 sheets each, support for a total of three trays is available with the optional Lower Tray Assembly; Transparency tray: 100 sheets. Single sheet manual feed for heavier paper.

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### Print Types and Pages per minute (Letter-size)

	<b>Paper</b>	<b>Transparency Film</b>
<b>Color:</b>	3.5 ppm	1.5 ppm
<b>B&amp;W:</b>	14 ppm	4 ppm

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**Front Panel Controls** 24-character LCD panel for printer status information and configuration.

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**Warranty** One year, return-to-depot warranty. 90-day, return-to-depot warranty on customer replaceable units (CRUs).

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## Phaser Copystation Specifications

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**Image Input** Single-pass, flatbed desktop color image capture.

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**Resolution** Continuous-tone, 300 x 300 dpi resolution.

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**Original Input** Make Letter-, Legal-, or A4-size copies from any original up to 8.5 x 14 ins. (210 x 356 mm). The flexible hinge of the Copystation's cover accommodates extra-thick originals.

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**Copy types** Color (24-bit), grayscale (8-bit), or monochrome (1-bit).

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**Warranty** One year return-to-depot warranty.

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## Industry coverage of the Phaser 540 color laser printer:



"Excellent overall print quality; solid text and photo output; excellent network-management features; outstanding color-calibration software."  
-*PC Week*, April 10, 1995



"The Tektronix . . . overall performance, ease of maintenance, output quality and feature controls put it at the top of our list."  
-*Network Computing*, May 1, 1995



"Most impressive about the Phaser 540 is its capability to print continuous-tone color — that is, it can print true color without having to simulate dithering patterns to make the eye "think" it's seeing color. The results are smooth graphic images (especially photographs) and rich colors."  
-*PC Computing*, April 1995



"The first wave of color laser printers in the \$10,000 price range promised more than they delivered. But with the recent introduction of the Tektronix Phaser 540, things are beginning to look up. The Phaser 540 raises the bar in the color laser printer category for all the features you expect in an office printer — image quality, speed, and ease of setup and maintenance.  
-*MacUser*, May 1995



### **TekColor care**

You can rely on Tektronix. Every Tektronix color printer includes TekColor Care, our comprehensive support system. TekColor Care provides toll-free technical support, a user newsletter, an automated fax reference library, an electronic bulletin board, and a one-year return-to-depot warranty. For additional care, Tektronix' factory-trained service organization offers a full range of RealSUPPORT™ extended service plans available in one to three years of coverage.

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## ORDERING INFORMATION

### Phaser 540 Plus Color Printer

Includes power cord; installation instructions; user manual; and drivers on diskette with an instruction manual. (110 Volt) Product order number 4676 (220 Volt) Product order number 4676A

### Phaser 540 Plus Accessories Kit

Includes color imaging unit, corona unit, fuser, and four toner cartridges; 250-sheet capacity input tray for paper; output tray and media sampler. (110 Volt, A-size media) Order 4676FS1 (110 Volt, A4-size media) Order 4676FS1 Option 01 (220 Volt, A-size media) Order 4676FS2 (220 Volt, A4-size media) Order 4676FS2 Option 01

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## PHASER 540 PLUS OPTIONS

### Input Trays

Paper trays hold 250 sheets of paper.

Letter-size Paper: Order 436-0282-00

A4-size Paper: Order 436-0283-00

Legal-size Paper: Order 436-0314-00

Transparencies trays hold 100 transparencies.

Letter-size Transparencies: Order 436-0284-00

A4-size Transparencies: Order 436-0285-00

### Lower Tray Assembly

Includes two additional input trays, one with capacity for 250 sheets of paper, and one with capacity for 100 transparencies.

Letter-size: Order 4676FTA

A4-size: Order 4676FTA Option 01

### Add 16 Mbytes of RAM

(For a total of 36 Mbytes) Required for continuous-tone printing at 600 x 600 dpi resolution, for 600 dpi printing on Legal-size paper, and optimized throughput.

Order Option 16

### Add 32 Mbytes of RAM

(For a total of 52 Mbytes) Provides the most efficient memory configuration for maximum throughput in the most demanding printing applications and supports continuous-tone printing at 600 x 600 dpi on Legal-size paper.

Order Option 32

### PhaserShare Ethernet Card

Internal Ethernet interface with support for Novell NetWare and EtherTalk protocols.

Order Option P1

### TCP/IP Protocols

Adds TCP/IP protocol support to Ethernet or Token Ring interfaces. (Requires Option P1 or P4.)

Order Option P2

### PhaserShare LocalTalk/Serial Card

Internal network interface for LocalTalk/AppleTalk and RS-232 Serial.

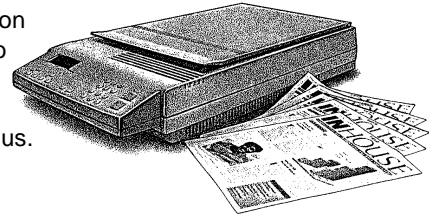
Order Option P3

### PhaserShare Token Ring Card

Internal Token Ring interface with support for Novell NetWare and TokenTalk protocols.

Order Option P4

The Copystation enables you to make color copies on the Phaser 540 Plus.



### Phaser Copystation

Includes SCSI cable; power cord; and user manual. Adds the ability to make color or black-and-white copies from any original on your Phaser 540 Plus. Product order number 4540

### Parallel/Centronics Cable

Connects the printer's parallel port to a PC or workstation parallel port. Order 012-1468-00

### Parallel/Centronics Adapter

Adapts a low-density Centronics parallel cable connector to the printer's high-density Centronics parallel connector. Order 013-0299-00

## WORKSTATION SOFTWARE

Provides fast, raster image printing with an easy-to-use, graphical user interface for control of printer features.

### PhaserPrint™ Software

Supports SUN (Solaris 1.x and 2.x) SGI, HP 9000, IBM RS/6000, and DEC (ULTRIX and Alpha OSF/I). Order 4690F20

### EasyCopy/X Software

DEC OpenVMS AXP. Order 4690F27

DEC OpenVMS VAX. Order 4690F29

### PhaserSym Software

VMS Print Symbiont. Order 4690F41

## OPTIONS

### TekColor Care Service Plans

Extended warranty programs with parts and labor coverage.

### RealSUPPORT™ On-site Plans

Plans include parts and labor for the Phaser 540 Plus and Customer Replaceable Units (CRUs), at your location. Installation and set-up. Order Option S0  
One year of On-site Service. Order Option S1  
Three years of On-site Service. Order Option S3

### RealSUPPORT Express Exchange Plus Plans

Plans include parts and labor for the Phaser 540 Plus at your location, and return-to-depot coverage of parts and labor for CRUs (excluding toner).

One year of Express Exchange Plus Service.  
Order Option D1

Three years of Express Exchange Plus Service.  
Order Option D3

### International Power Cords

Universal European: 220 V/15 A, 50 Hz. Order Option A1

United Kingdom: 240 V/12 A, 50 Hz. Order Option A2

Australian: 240 V/10 A, 50 Hz. Order Option A3

Swiss: 220 V/6 A, 50 Hz. Order Option A5

## SAMPLE OUTPUT

For more information about the Phaser 540 Plus or the Phaser Copystation, and sample output call:

**1-800-835-6100**

**Dept. M19**

## SPECIFICATIONS

### PHASER 540 PLUS

#### Dimensions

Height: 18 in. (46 cm)  
Depth: 19.5 in. (50 cm)  
Width: 27.4 in. (70 cm)  
Weight: 117 lb. (53 kg)

#### Temperature

Operating:  
50° to 90.5° F (10° to 32.5° C)  
Non-operating:  
32° to 104° F (0° to 40° C)  
Storage (without media):  
-4° to 113° F (-20° to 45° C)

#### Relative Humidity (non-condensing)

Operating: 10 to 80%  
Non-operating: 10% to 90%

#### Altitude

Operating:  
0 to 8,000 ft. (2,500 m)  
Non-operating:  
0 to 50,000 ft. (15,240 m)

#### Input Power

Voltage (110 Volt Model)  
87 to 128 VAC,  
115 VAC nominal  
Voltage (220 Volt Model)  
174 to 250 VAC,  
220 VAC nominal

#### Safety and Emissions

UL 1950; UL 544;  
CDRH Class 1;  
CSA C22.2 #950;  
C22.2 #601.1-M90;  
IEC 950 licensed; IEC 601;  
FCC Class B;  
EN60950; CISPR 22 Class B;  
EN55022

### PHASER COPYSTATION

Height: 4.5 in. (11.5 cm)  
Depth: 24.4 in. (62 cm)  
Width: 13.8 in. (35 cm)  
Weight: 20 lb. (9 kg)

32° to 104° F (0° to 40° C)

Storage:  
-4° to 113° F (-20° to 45° C)

Voltage (Automatic selectable)  
87 to 128 VAC,  
115 VAC nominal  
174 to 250 VAC,  
220 VAC nominal

UL 1950; CISPR 22 Class B;  
EN55022; FCC Class B;  
EN60950



Adobe PostScript



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