



white paper

Microsoft Windows Vista – Printer driver installation

Security Level: Public

Date Written/Updated: November 2006

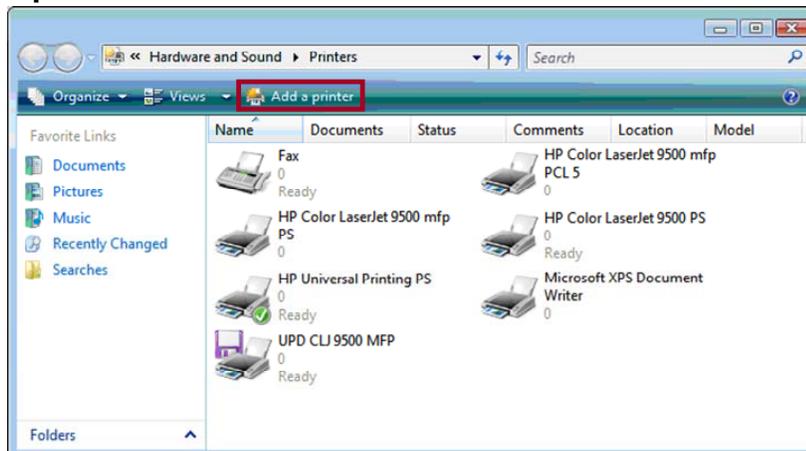
Document Summary

- ✓ Step-by-step instructions on how to install most LaserJet products using the Microsoft Windows Vista operating system.

Microsoft Windows Vista

This document provides step-by-step instructions for installing a driver for a LaserJet using Add Printer Wizard through the Microsoft Windows Vista operating system.

Keys to the new print drivers



The HP Universal Print Driver (UPD) is the primary building block of the HP drivers built into Windows Vista. When using Add a printer in Vista, most HP printing devices are installed with a print driver that is built around the UPD.

- What does this mean?

The UPD uses a query method to install a permanent instance of a driver. When a printing device is added, the reality is that the UPD has added a permanent instance of the device. Open the Printers folder and you will see

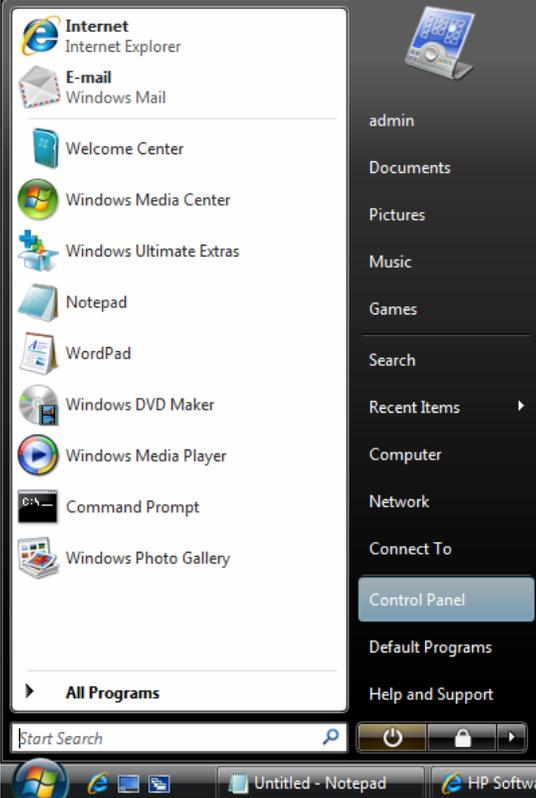
that device. All functions of the UPD reside within the driver. This type of driver is known as a UPD-based driver.

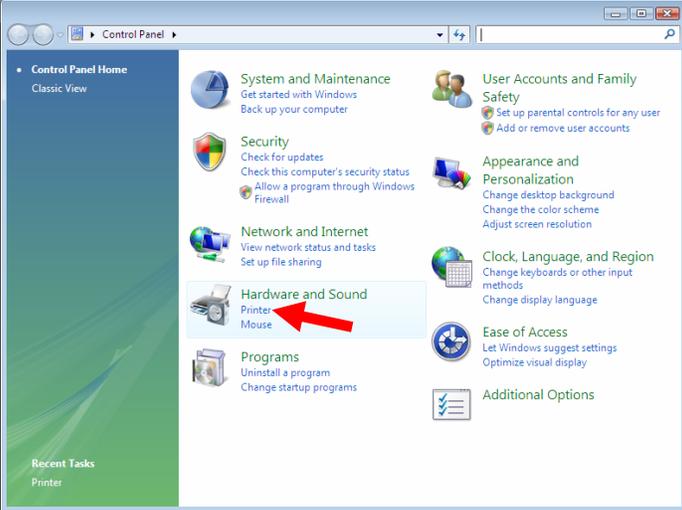
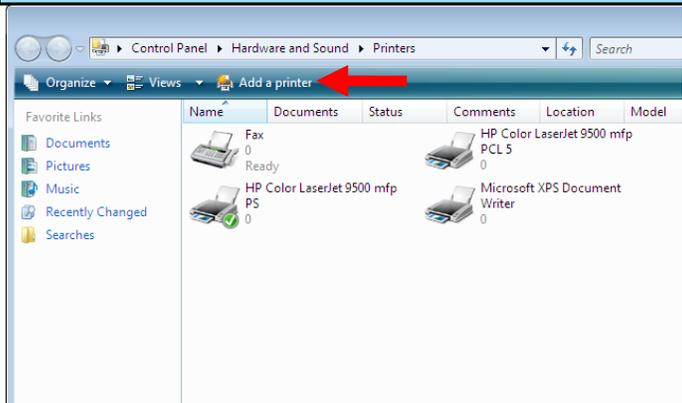
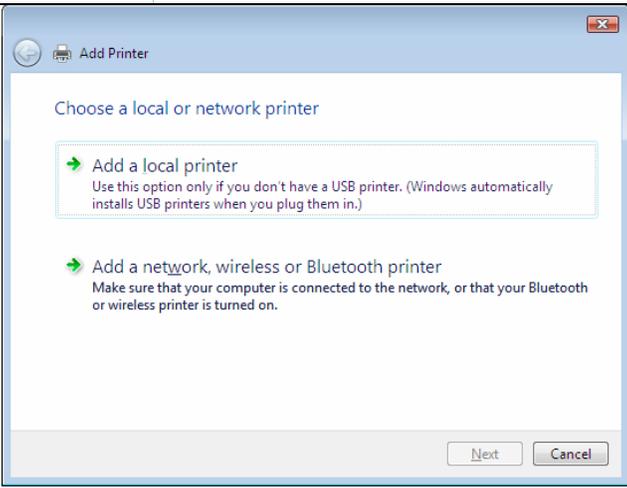
- Not all drivers in Vista are supported by the UPD.

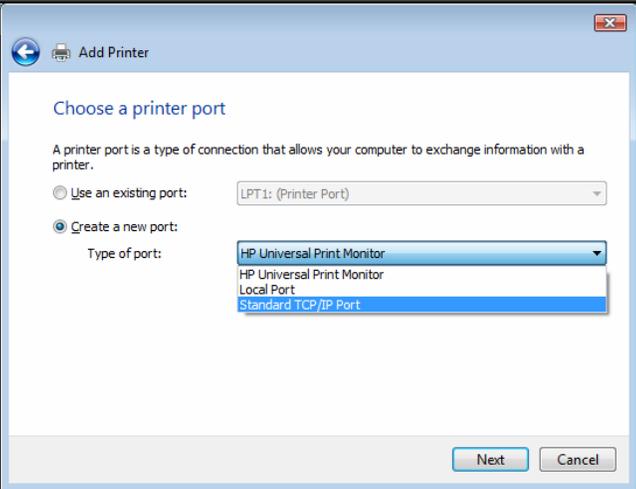
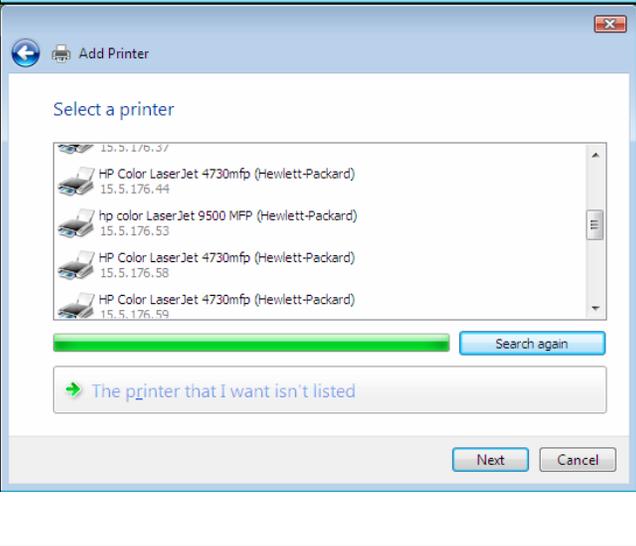
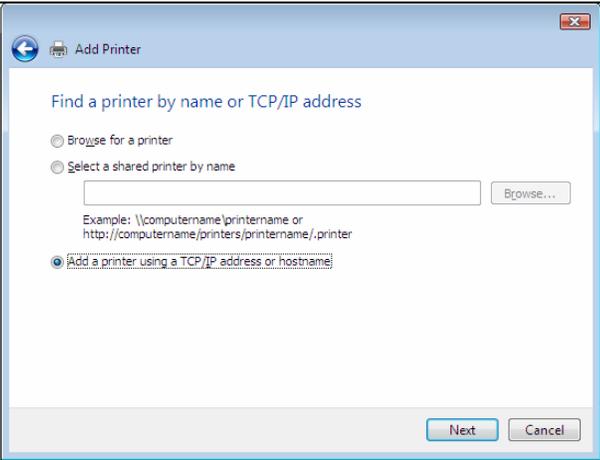
These few products have product-specific drivers included in Vista. They are:

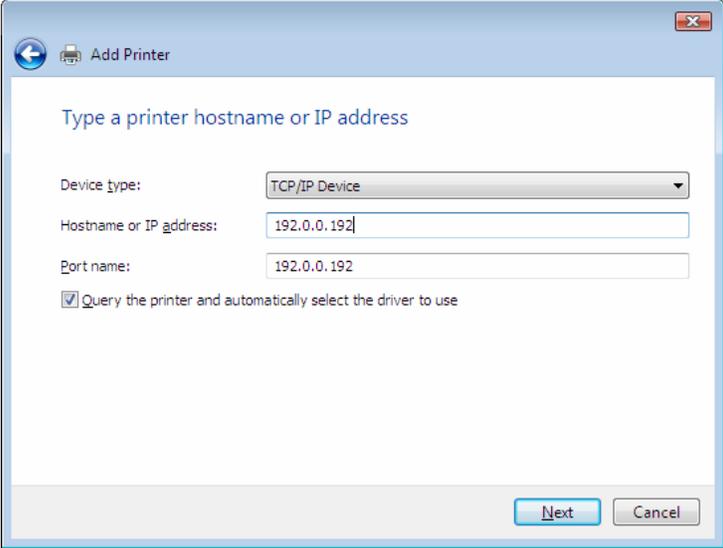
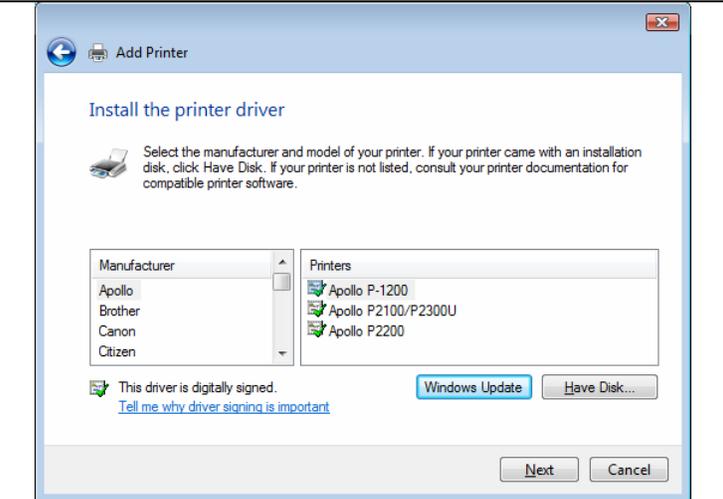
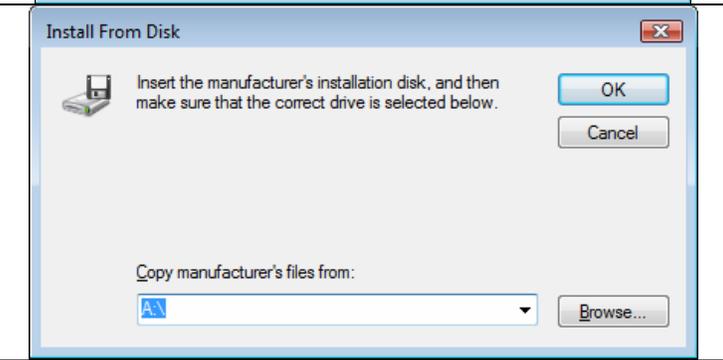
- HP LaserJet II Series
- HP LaserJet III Series
- HP LaserJet 4 Series
- HP LaserJet 5 Series
- HP LaserJet 6 Series

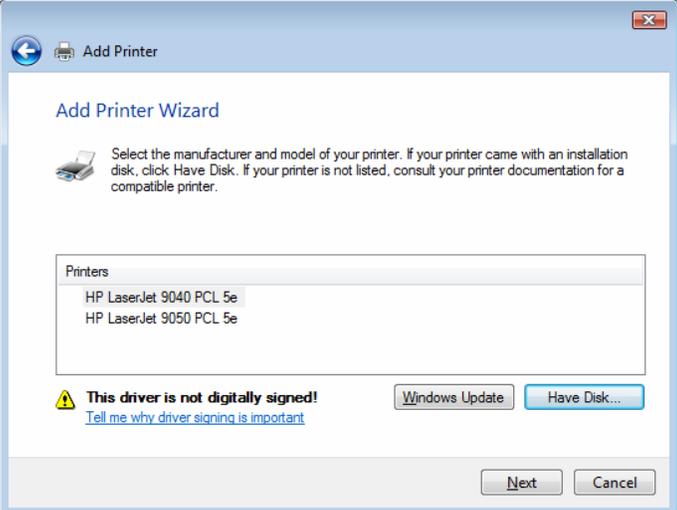
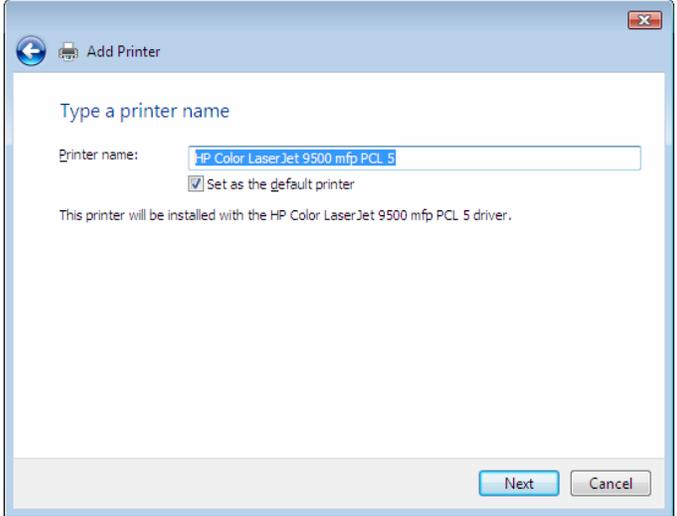
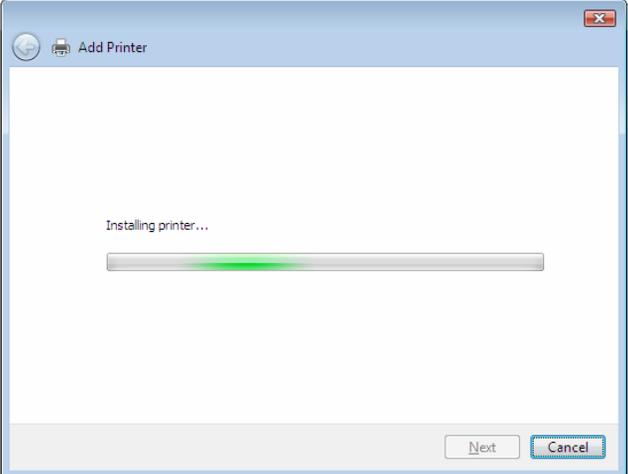
Instructions

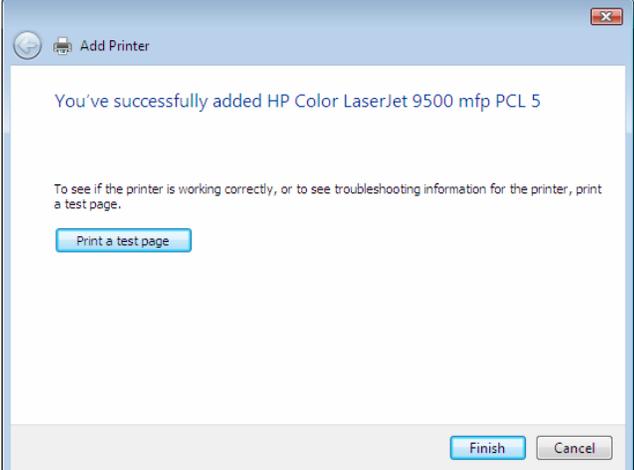
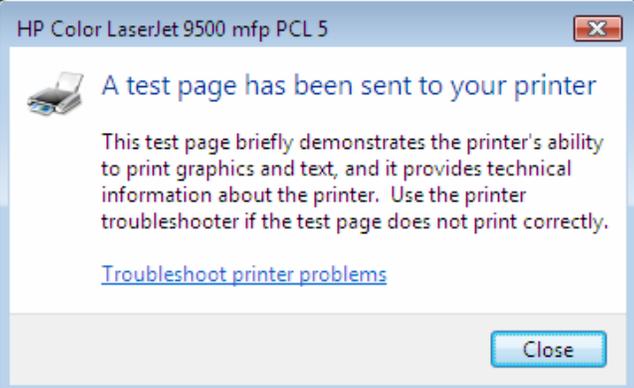
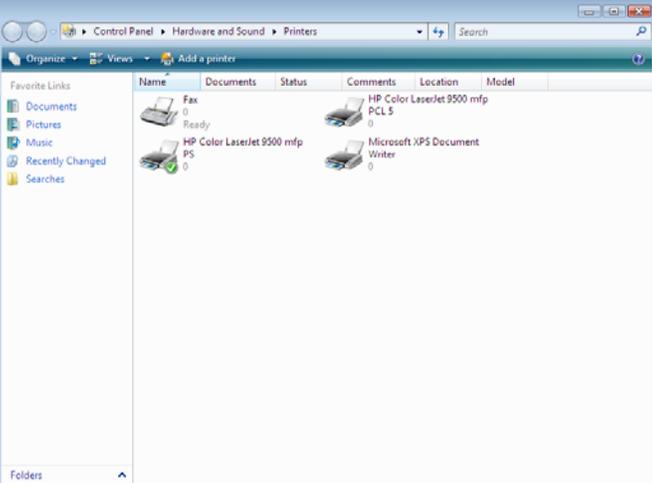
Process	Illustration
1. From the desktop Start menu, select Control Panel .	 A screenshot of the Windows Vista Start menu. The menu is open, showing a list of applications and system tools. The 'Control Panel' option is highlighted in blue. The list includes: Internet Explorer, Windows Mail, Welcome Center, Windows Media Center, Windows Ultimate Extras, Notepad, WordPad, Windows DVD Maker, Windows Media Player, Command Prompt, and Windows Photo Gallery. At the bottom of the list is 'All Programs'. To the right of the list is a sidebar with options: admin, Documents, Pictures, Music, Games, Search, Recent Items, Computer, Network, Connect To, Control Panel (highlighted), Default Programs, and Help and Support. The taskbar at the bottom shows the Start Search box, power, lock, and volume buttons, and several open windows including 'Untitled - Notepad' and 'HP Software'.

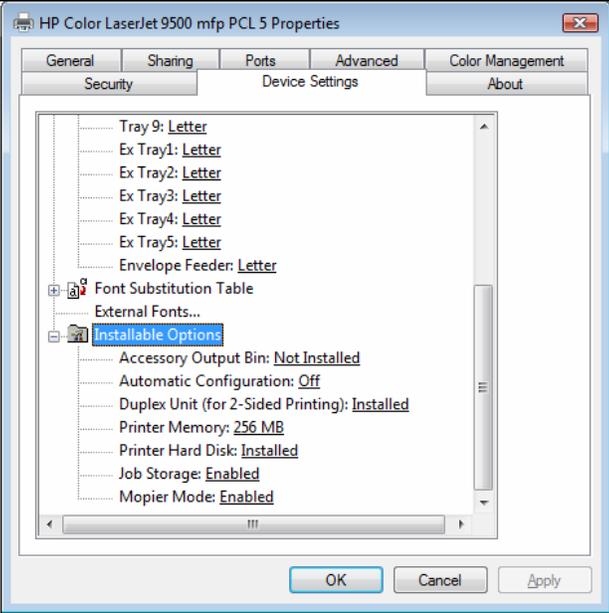
Process	Illustration
<p>2. In the Control Panel Home window, select Printer under Hardware and Sound.</p>	
<p>3. In the Printers window, select Add a printer.</p>	
<p>4. In the Add Printer window:</p> <p>Select Add a network, wireless or Bluetooth printer. Go to Step 6.</p> <p>OR</p> <p>Select Add a local printer to choose an existing printer port or to create a new port. Go to Step 5.</p>	

Process	Illustration
<p>5. Select the Create a new port radio dial; then select Standard TCP/IP Port from the drop-down menu. Select Next. <i>Go to Step 8.</i></p>	
<p>6. A list of local printers appears in a list. If the printer you are trying to add is not on the list, select The printer that I want isn't listed. <i>Go to Step 7.</i></p> <p>OR</p> <p>If the printer you are trying to add appears in the list, highlight it, then select Next. <i>Go to Step 12.</i></p>	
<p>7. Select Add a printer using a TCP/IP address or hostname. Then select Next. <i>Go to Step 8.</i></p>	

Process	Illustration
<p>8. Select TCP/IP Device from the drop-down list. Then input the printer IP address in the Hostname and Port name fields. Select the Query the printer and automatically select the driver to use check box and select Next. Go to step 12.</p> <p>Selecting the check box installs the PCL driver by default, if available. If you want to manually specify which driver to install, leave the check box blank and select Next. Go to Step 9.</p>	 <p>The screenshot shows the 'Add Printer' dialog box with the title 'Add Printer'. The main heading is 'Type a printer hostname or IP address'. There are three input fields: 'Device type' (set to 'TCP/IP Device'), 'Hostname or IP address' (set to '192.0.0.192'), and 'Port name' (set to '192.0.0.192'). A checked checkbox is labeled 'Query the printer and automatically select the driver to use'. At the bottom right, there are 'Next' and 'Cancel' buttons.</p>
<p>9. On the Install the printer driver window, select Have Disk. Go to Step 10.</p> <p>If the desired LaserJet displays in the Printers column, you may select it and then select Next. Go to Step 11.</p>	 <p>The screenshot shows the 'Add Printer' dialog box with the title 'Add Printer'. The main heading is 'Install the printer driver'. Below the heading is a printer icon and text: 'Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.' There are two list boxes: 'Manufacturer' (listing Apollo, Brother, Canon, Citizen) and 'Printers' (listing Apollo P-1200, Apollo P2100/P2300U, Apollo P2200). At the bottom, there is a 'Have Disk...' button and a 'Next' button.</p>
<p>10. Select the Browse button to advance to where you saved the INF file; then select OK. When the Install the printer driver window reappears, select Next. Go to Step 11.</p>	 <p>The screenshot shows the 'Install From Disk' dialog box. The main heading is 'Install From Disk'. Below the heading is a disk icon and text: 'Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.' There are 'OK' and 'Cancel' buttons. At the bottom, there is a 'Copy manufacturer's files from:' label, a dropdown menu showing 'A:', and a 'Browse...' button.</p>

Process	Illustration
<p>11. Select the desired LaserJet and printer driver from the list; then select Next. Go to Step 12.</p>	
<p>12. The printer model and driver type appears in the Printer name field. Select the Set as the default printer check box, if desired. Then select Next. Go to Step 13.</p> <p>NOTE: Remember, the default printer driver selected is PCL, if available. If you want a different driver type for this printer, go back to Step 4.</p>	
<p>13. The installation begins. Once the installation completes, go to Step 14.</p>	

Process	Illustration
<p>14. Select the Print a test page button to send a test page to the LaserJet; then select Finish. Go to <i>Step 15</i>.</p>	
<p>15. Select Close to exit the test page window. Go to <i>Step 16</i>.</p>	
<p>16. Once the LaserJet is installed, select Control Panel > Printers (under Hardware and Software) from the desktop Start menu to view the newly-installed LaserJet. Go to <i>Step 17</i>.</p>	

Process	Illustration
<p>17. Right-click on the LaserJet icon and select Properties to view printer properties.</p> <p>NOTE: Depending on your chosen printer driver, you may see different Installable Options depending on the UPD, drivers included with Vista, or product specific drivers you use. Available Installable Options can be installed, selected, and changed as desired.</p>	 <p>The screenshot shows the 'HP Color LaserJet 9500 mfp PCL 5 Properties' dialog box. The 'Advanced' tab is selected, and the 'Installable Options' section is expanded. The options listed are:</p> <ul style="list-style-type: none"> Tray 9: <u>Letter</u> Ex Tray1: <u>Letter</u> Ex Tray2: <u>Letter</u> Ex Tray3: <u>Letter</u> Ex Tray4: <u>Letter</u> Ex Tray5: <u>Letter</u> Envelope Feeder: <u>Letter</u> Font Substitution Table External Fonts... Installable Options (highlighted) Accessory Output Bin: <u>Not Installed</u> Automatic Configuration: <u>Off</u> Duplex Unit (for 2-Sided Printing): <u>Installed</u> Printer Memory: <u>256 MB</u> Printer Hard Disk: <u>Installed</u> Job Storage: <u>Enabled</u> Mopier Mode: <u>Enabled</u> <p>Buttons at the bottom: OK, Cancel, Apply.</p>

Document Attributes

Product Models: All supported HP LaserJets