



HP JETINTELLIGENCE

What is HP JetIntelligence?

JetIntelligence is an HP-exclusive¹ bundle of features in Original HP Cartridges for color and monochrome LaserJet printers. You can count on Original HP Toner Cartridges with JetIntelligence to enable professional-quality pages, peak printing performance every time, and protection against counterfeits with innovative anti-fraud technology.²

Original HP Toner Cartridges with JetIntelligence offer:

- Proprietary toner formulations
 - Precision black toner for HP mono LaserJets
 - EcoSmart black toner for HP mono LaserJets
 - ColorSphere 3 toner for HP Color LaserJets
- Page maximizer technology
- Print gauge technology
- Auto seal removal
- Anti-fraud technology²

What is precision black toner?

There are two types of precision black toner: a polymerized toner (also called chemically produced toner) and a ground toner that is used by the HP LaserJet 600 printer series.

Precision black polymerized toner has a solid wax core that is surrounded by a low-melt polymer. Polymerized toner particles are spherical and uniform in size and shape.

Precision black ground toner is created like previous generations of HP's ground toner; however, a finishing process is applied, which makes the toner particles nearly spherical and uniform in size. The high durability of precision ground toner particularly supports HP's high-yield cartridges.

With a small and consistent size and shape, more precision black toner can fit into a toner hopper. This efficient "packing" of toner supports small cartridges, which enables a small printer size without compromising cartridge yields. In addition, consistency in size and shape means the toner transferred to a page will provide a more precise toner placement, resulting in professional looking prints.

What is EcoSmart black toner?

EcoSmart black toner is also a polymerized toner. In an innovative manufacturing process, a proprietary ingredient is added to the soft core layer of the toner particle. EcoSmart toner is engineered for high-speed printing and low energy consumption. The toner melts at a lower fuser temperature, which helps enable an average 21% energy savings and lower carbon footprint.³ EcoSmart black toner cartridges are a smart, environmentally responsible purchase and contribute to customers' and HP's sustainability commitments through the total energy savings.

What is ColorSphere 3 toner?

ColorSphere 3 toner is specifically designed to work together with the HP Color LaserJet devices with JetIntelligence cartridges. ColorSphere 3 toner particles are protected by a hard shell, which reduces toner wear and helps maintain toner shape and size from the first printed page to the last. This durability provides a more efficient use of toner, which supports higher page yields. On the inside, ColorSphere 3 toner has a soft core, so that it can melt quickly and smoothly onto a page—giving you the legendary HP print quality you expect. ColorSphere 3 toner applies to all four colors, which include black, cyan, magenta, and yellow.

What is page maximizer technology?

Page maximizer technology manages efficient toner use and cartridge performance without compromising the small size of the cartridge. Compared to other Original HP Toner Cartridges, those with JetIntelligence technology utilize smaller, more robust components and provide improved performance. The spherical toner also contributes to increased page yields. For HP Color LaserJet printers, ColorSphere 3 toner provides a durable shell, which also contributes to increased page yields. This means fewer trips to the printer to change cartridges—saving customers time and money.

What is print gauge technology?

Print gauge technology intelligently predicts cartridge life by gathering cartridge information such as component rotations, toner used, and temperature and/or humidity. These metrics, coupled with sophisticated algorithms, help determine print history and print behavior for a specific printer. The result is a simple gauge that customers can depend on.

What is auto seal removal?

The toner seal, or pull-tab, is a protective strip inside the cartridge that keeps toner particles in place during shipping and handling. The seal is automatically removed for a quick, clean installation with no user interaction required.

What is anti-fraud technology?

Built in to every Original HP Toner Cartridge with JetIntelligence, HP's exclusive anti-fraud technology² works with color and monochrome HP LaserJet devices to provide secure cartridge authentication and help protect customers from fraud. Anti-fraud technology² authenticates that a genuine Original HP Toner Cartridge is installed and notifies you if a used or counterfeit cartridge is installed. This helps ensure you get what you paid for.

There are also two optional features with anti-fraud technology. Both are off by default and must be enabled at the printer level or through HP Web Jetadmin.

1. Cartridge protection (aka anti-theft): Link an installed toner cartridge with an HP LaserJet device or fleet, so it will only work in that specified printer or fleet. This helps manage cartridge inventory and cost management.
2. Original HP-only printing: Enable the use of only Original HP Cartridges with an HP LaserJet device or fleet. This helps to manage costs and maintain high-quality printing standards.

What is counterfeit? How do I know if a cartridge is counterfeit?

Counterfeit refers to any non-HP product that is labeled and packaged to look like an Original HP product and it is intended to deceive or mislead a customer into thinking that the product is an Original HP product. A remanufactured, refilled, or imitation cartridge may be placed in the counterfeit box. Counterfeit cartridges are a fraudulent product.

Counterfeiters are continually looking for new ways to take advantage of HP customers. But Original HP Toner Cartridges with JetIntelligence offer exclusive anti-fraud technology.² During cartridge installation, the printer alerts the customer if a cartridge is "Genuine HP" or "Used or counterfeit." When customers see the message "Used or counterfeit," and the cartridge they installed came from a box that looked like a genuine HP package, they likely have a counterfeit cartridge. If the cartridge came from a branded box of a remanufacturer, or another non-HP branded box, then the cartridge is likely not a counterfeit. The cartridge box is key to determining if a cartridge is counterfeit or not.

To learn more or report counterfeit cartridges, go to hp.com/go/anticounterfeit and click "Report online."

What happens if a remanufactured or refilled cartridge is used in an HP LaserJet printer or MFP that uses Original HP Toner Cartridges with JetIntelligence?

Original HP Toner Cartridges with JetIntelligence are designed to precise specifications for printer speed, printer size, toner characteristics, fusing properties, and environmental conditions. These specifications combine to deliver the legendary reliability and consistent print quality customers expect from HP cartridges. The proprietary formulations of precision black toner, EcoSmart toner, and ColorSphere 3 toner are stable, consistent, and simply can't be matched. Aftermarket toner can vary from source to source and batch to batch, which may result in inconsistencies in toner flow, toner melt point, and fusing the toner to the paper—impacting output quality, color consistency, and reliability. It can also affect printer maintenance. Plus, used HP cartridges don't offer advanced JetIntelligence features like auto seal removal, print gauge technology, and page maximizer technology.

¹ JetIntelligence technology is a bundle of five HP laser printing features and has been exclusively available in Original HP Toner Cartridges since Nov 5, 2015. All features must be present: page maximizer technology; print gauge technology; ColorSphere 3 toner, precision black toner, or EcoSmart black toner; anti-fraud technology; and auto seal.

² The HP LaserJet Pro M100 series does not support anti-theft or HP-only technology.

³ HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200/300/400/500 series printers. HP 58/59/76/77A/X compared to HP 26A/X, HP 89A/Y/X compared to HP 87A/X, and HP 134A/X compared to 30A/X.

