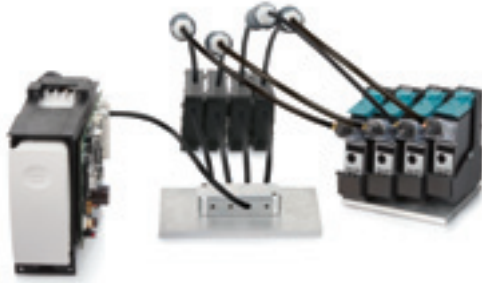


# HP Black 4500 Pigment Bulk Ink System



HP Black 4500 Pigment Bulk Ink System offers design versatility and delivers superior print quality with minimal intervention on a variety of porous substrates.



## Features

The HP Black 4500 Pigment Bulk Ink System is engineered to deliver optimal image quality on a broad set of porous substrates. The high-capacity 350 ml bulk ink cartridge minimizes operator intervention on long print runs.

This advanced, robust solution for high-volume printing offers end users:

- A choice of printhead and ink cartridge configurations to achieve nearly any print swath.
- Sharp, crisp output at high speeds without smearing or transfer.
- Easy-to-replace printheads and bulk ink cartridges that can be hot swapped independently.

HP 4500 ink is the same formulation used in the popular HP45A print cartridge. High optical density and a long decap time make this rich, pigmented black ink perfect for both intermittent printing and high-volume applications.

This ink is water-based, so it does not require harsh chemical cleaners, flushing liquids, venting hoods, or specially trained operators.

## Benefits

The HP Black 4500 Pigment Bulk Ink System combines all the great features of HP's proven inks with HP's advanced Bulk Ink Delivery System. This system is designed to meet the needs of high-volume commercial applications.

- Bulk ink capacity in a convenient, no-mess package delivers economical results.
- Modular design enables nearly any configuration of printhead and ink cartridges to achieve the desired print capability.
- Printheads and ink cartridges can be independently hot swapped, minimizing replacement costs and maximizing production run efficiencies.
- Superior ergonomic design ensures quick, simple, and reliable replacement.
- Bulk ink cartridges minimize operator interventions and eliminate messy handling and disposal procedures.

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## Frequently asked questions

<b>Who are the ideal users of the HP Black 4500 Pigment Bulk Ink System?</b>	Companies that produce large print runs and have a need for a high-volume ink delivery system. HP Black 4500 Pigment ink is ideal for package coding, as well as mailing applications.
<b>What are the key advantages of this system?</b>	<ul style="list-style-type: none"><li>• Maximizes production uptime. Bulk ink cartridges not only last longer but can be hot swapped, so part changes have less impact on a running system.</li><li>• Enables designers to develop products with multiple printheads and ink cartridges. Because of the system's modular design, nearly any print swath can be achieved.</li><li>• Improved handling, ease of use, and flexible placement make this system suitable for a wide range of printing environments.</li><li>• Water-based inks eliminate the need for special solvent handlers, chemical cleaners, and expensive disposal systems.</li></ul>
<b>What are the key advantages of HP 4500 ink?</b>	<ul style="list-style-type: none"><li>• Produces high-quality, light-fast and water-resistant, sharp, crisp output on a wide-range of porous media.</li><li>• High optical density produces excellent readability on barcodes and other package coding.</li><li>• Ink compatibility with porous media, such as corrugate, prevents bleeding and streaking.</li><li>• Long decap time minimizes or eliminates nozzle maintenance.</li></ul>
<b>Why choose HP?</b>	HP is the worldwide leader in imaging and printing technologies. We bring our innovative, reliable, environmentally-responsible, and easy-to-use solutions to a variety of industrial markets. As pioneers of thermal inkjet printing, HP knows the technology inside and out.

## Technical specifications

	Printhead	Bulk ink cartridge
<b>Resolution</b>	600 dpi	N/A
<b>Nozzle count</b>	300	N/A
<b>Maximum firing frequency</b>	12 kHz	N/A
<b>Approx. drop volume</b>	29 pl	N/A
<b>Avg. delivered ink</b>	Up to 800 ml	350 ml
<b>Operating conditions</b>	10 to 40° C, 10 to 80% RH	10 to 40° C, 10 to 80% RH
<b>Shipping/storage conditions</b>	10 to 40° C, 5 to 80% RH Altitude: 0–5000 meters Orientation: nozzles down or horizontal	10 to 40° C, 5 to 80% RH Altitude: 0–5000 meters

## Ordering information

Product number	Product description
Q7456A	Black 4500 Pigment Printhead
Q7457A	Black 4500 Pigment Bulk Ink Cartridge

## Contact information

To discuss inkjet technology OEM opportunities with HP:

- Go to [www.hp.com/oeminkjet](http://www.hp.com/oeminkjet) and send us an email message.
- Call 858-655-3524 and leave a voicemail message.
- Mail your inquiry to: Hewlett-Packard Company, Specialty Printing Systems, Mailstop 66-654, 16399 West Bernardo Drive, San Diego, CA 92127, USA.



Bulk ink cartridge

Printhead