

KIP HDP PLUS

PRINT TECHNOLOGY

HIGH DEFINITION



KIP digital printers and scan-to-file (STF) systems feature the unique, patented KIP High Definition Print Technology. This unique process offers exceptional print quality, high definition lines, distinctive grayscales and consistent solid areas, 100% toner efficiency and sets a new standard for LED wide format printers!

KIP HDP PLUS - HIGH DEFINITION PRINT TECHNOLOGY

KIP – Technology Innovator

KIP is a leading innovator in image capture and printing technology, developing new techniques and innovations to meet the demand for fast, high quality drawing reproduction. Building on years of experience at the leading edge of photoconductive technology, KIP's high performance digital print systems incorporate one of the world's most advanced imaging technologies.

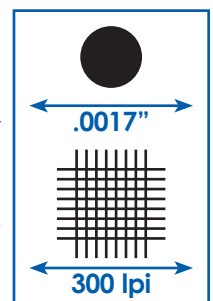
KIP High Definition Print Technology

KIP High Definition Print Technology is an innovative approach to wide format printing that has quite literally redefined the standard for technical print quality; delivering exceptionally crisp fine line detail, solid blacks and distinctive, consistent gray scales.

- **KIP HDP PLUS:** Small dot size and high print resolution provides exceptional print quality, high definition lines, distinctive grayscales and consistent solid areas.
- **LED Print Head Calibration:** Individual pixel calibration provides consistent levels of grayscale throughout the entire image.
- **Contact Toner System:** Unique toner application method using single component non-magnetic toner that contains no starter toners, carriers or developers to produce dependable image density.
- **Image Smoothing Technology:** Eliminates jagged edges on grayscale circles and diagonal lines.

Outstanding Print Quality

KIP HDP Technology has been designed to reproduce the full spectrum of technical, engineering and architectural documents with complete accuracy and confidence. KIP HDP printers deliver outstanding print quality with clearly defined lines, outstanding grayscales and consistent shading, crisp text and solid black fill areas. KIP HDP products have been designed to deliver unrivaled quality and value to meet the demand for accurate and cost effective wide format document reproduction.

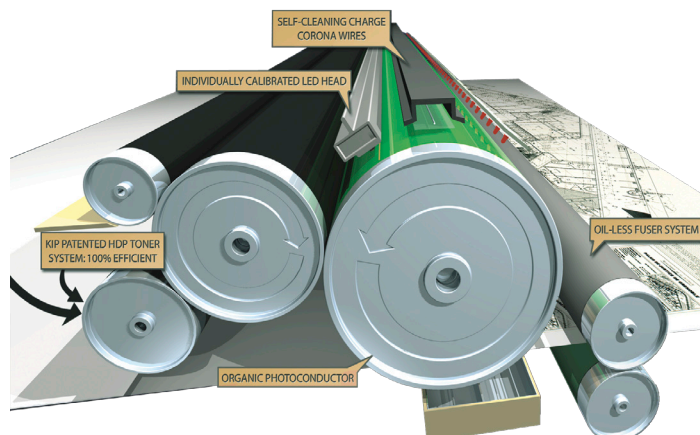


KIP HDP Plus High Definition Print Technology

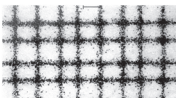
KIP HDP vs. Conventional Photoconductive Technology

There are a number of technical factors that separate KIP HDP from conventional printing technology:

- KIP HDP uses a unique method to transfer toner to the imaging drum. This patented method applies toner directly to the imaging drum using a static electrical charge. This method creates a very tight, fine dot pattern with little to no flaring seen in conventional printing technology.
- KIP HDP toner is mono component, non magnetic and uses no carriers and developers. The result is a quality and efficiency unmatched by conventional systems.
- KIP HDP does not use a conventional cleaning blade to remove excess toner from the drum during the imaging process.

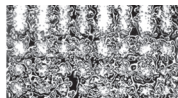


Microscopic Comparison of Test Pattern



KIP HDP Series at 300 Lines Per Inch **Competitive Printer at 300 Lines Per Inch**

The KIP HDP Technology on the left offers single line pixel width of .0017", while achieving 300 lines per inch with very little toner splash and consistent lines. On the right, the competitive printer fails at achieving an acceptable line pattern at 300 lines per inch.



100% Toner Efficiency

KIP HDP Printers are 100% toner efficient, greatly reducing the cost of printing and returning outstanding value and industry leading low cost of ownership. Zero waste toner and the lack of conventional cleaning systems result in lower toner consumption.

Low Maintenance & Increased Duty Cycle

KIP HDP technology employs 33% fewer parts than conventional photoconductive systems resulting in greater intervals between service calls.



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KIP HDP PLUS technology enables KIP printers to achieve:

- High Definition Line Quality
- Up to 600 x 1800 DPI
- Distinctive Grayscales
- Consistent Solid Areas
- Expanded Duty Cycle
- Energy Efficient
- Zero Toner Waste



Environmentally Friendly

KIP HDP printers waste no toner and do not employ carriers, developers or waste receptacles that require disposal and replacement. The elimination of waste toner means no toner in landfills and a cleaner environment.