

Technology Summary

KODAK PROSPER Print Heads Imprinting System- featuring KODAK Stream Inkjet Technology

The KODAK PROSPER S series' Imprinting System is the next generation of high-speed, high resolution inkjet from Kodak, and represents a product we're proud to launch as *Offset Class VDP* at Inkjet Costs.

Offset class VDP is defined as a printing process that has unparalleled productivity, low total cost of operation, quality and reliability similar to traditional offset. Although *Offset Class VDP* is a new term to many of our customers, they understand well the benefits of printing variable data with laser resolution and blackness at inkjet costs. The KODAK PROSPER Print Heads Imprinting System imprints on an offset printed shell for high end applications that require superior print quality (600 x 300 dpi) and durability on commercial glossy stocks.

KODAK Stream Inkjet Technology represents the culmination of over 40 years of Kodak innovation and the KODAK PROSPER S series Imprinting System is the first commercial implementation.

One of the most striking features of KODAK Stream Inkjet Technology is the offset-class resolution of 600 dpi over 3x more dots than 300 dpi and 5x more than 240 dpi. Using pigment-based aqueous inks, text is sharp and graphics are crisp. The KODAK PROSPER S20 Imprinting System is capable of monochrome printing on a web at 600 x 300 dpi at 2,000 FPM (600 mpm)



Sustainability

The printing industry shares a responsibility for creating technologies that are more sustainable by being more efficient and by minimizing environmental impact. During research and development, the Kodak team carefully considered the environmental impact of each design decision. And they worked to keep sustainability high and by keeping environmental impact low. Here are just some of the areas where smart design makes KODAK PROSPER a greener choice for printing:



- *Printing Modules* — KODAK PROSPER S20 Jetting Modules are refurbished and recycled with minimal waste. No plates or processing chemicals



- *Ink* — Pigment-based inks are non-toxic and primarily water-based. Continuous inkjet technology is remarkably efficient in terms of ink use, since inks are constantly captured via air deflection and recycled. KODAK Stream Inkjet Technology maximizes ink coverage and adds less weight than other technologies, creating materials that cost less to mail and ship.
- *Paper* — KODAK Stream Inkjet Technology prints on a wide range of substrates, including recycled and environmentally friendly paper stocks. Short make-ready times reduce wasted paper. And customized target marketing reduces the size of catalogs, saving paper.
- *Water* — KODAK Stream Inkjet Technology eliminates the material handling issues and expenses of prepress chemistry.
- *Publications* — Targeted personalized transpromotional materials eliminate the waste inherent in mass mailings. And on- demand books provide a more efficient, less wasteful approach than printing a backlog of stock and warehousing it. These more-efficient publication processes reduce shipping costs (and associated environmental impact) as well.
- *Space* — KODAK Stream Inkjet Technology uses space efficiently, lowering the cost of heating and cooling.
- *Air* — Emissions are mostly water vapor with virtually no volatile organic compounds (VOC)

Kodak is committed to sustainability worldwide. We recognize that we have a role to play in helping society prosper by driving business growth in a responsible manner that creates value for all stakeholders.

