



# Case Study

NEW DIGITAL  
INKING SYSTEM  
INSTALLATION

NEW YORK TIMES, NEW JERSEY, USA

*Opportunity:* **How could the New York Times upgrade print quality at its Edison, New Jersey plant?**



*Conclusion:* **Install 228 couples of the new Goss® DigiRail™ Digital Inking System**

# NEW YORK TIMES, NEW JERSEY, USA

**In January, 2004, the New York Times completed the first large scale installation of the Goss® DigiRail™ Inking System on 228 printing couples covering six Goss presses at their Edison, New Jersey plant.**

"Based on our research and experience we decided that the most effective way of improving our print quality was to convert to a digital inking system," stated Karl Varnai, Senior Engineer at the Edison plant. "After we conducted an extensive series of tests, we concluded that the Goss DigiRail Inking System was definitely the way to go. We were very impressed with its unique integrated single-unit design."

## Higher print quality

Based on its award-winning Digital Inking System, the Goss DigiRail Inking System offers customers a reliable and straightforward method to upgrade the print quality of their existing presses. It provides a precise delivery of ink to the ink fountain roller enabling customers to experience higher print quality and lower start-up costs.

The level of accuracy is particularly beneficial for small images, where standard ink key increments do not provide enough fine control. Because the presets are so accurate, the press starts up with better ink and water balance. This results in savings in ink with increased mileage per ton of paper.

## Reduction in waste, savings in ink

The New York Times closely examined the print quality of the first good copy,

looking at the evenness of the ink density at various press speeds and ink coverages. According to Varnai, "We have seen a reduction in the number of first copy ink problems – essentially, they have gone away." The Times measured the quickness of the start-up and the number of waste copies. They have started to see a reduction in waste copies on the two presses where DigiRail was first installed. In addition, Nick D'Andrea, Executive Director and Plant Manager, wanted to "Bring the water curve down because a drier sheet results in better control of the web making it easier to maintain registration. So far the initial results have been good."

## Durable and compact

The DigiRail inker's compact and enclosed design also provides for simplified installation and easier maintenance. Being self-contained, there are no ink-fill tubes or agitators to add to maintenance requirements or to drip ink. The enclosed manifold system ensures that ink reaching the printing plate is fresh and is not contaminated with paper lint or fountain solution. As a complete assembly, the DigiRail inker can be re-positioned precisely after being swung away from the press for maintenance. Varnai stated that "the system is very durable and easy to maintain". According to Sal LaVecchia, press room general foreman, "Our press crews are looking forward to a cleaner running press achieving faster start-ups and reduced waste."

"Overall the installation went very well and we are very satisfied with its performance," continued D'Andrea.

The Goss DigiRail Inking System is available as a retrofit to prior generations of Goss presses that use earlier injector or undershot fountain inkers. It is also available on new Goss presses including the Colorliner®, Newsliner®, Uniliner®, Universal® and C700™ press families.



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