

New GHS Solution Automates Label Printing for Chemical Manufacturer

Problem

Polynt Composites, a global chemical manufacturer headquartered in Carpentersville, IL, specializes in the production of organic anhydrides. Their key products include resins, moulding compounds, gel coats, and bonding pastes.

As a chemical manufacturer, Polynt complies with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), a uniform system of communicating information and warnings about hazardous substances.

On June 1, 2015, requirements went into effect that required GHS labels to include new color images and that established specific requirements for label size, material and color. For a chemical manufacturer to be in compliance, labels must be in place for transport, as well as on containers for workplace use.

Polynt also requires a labeling solution that is marine immersion certified (BS5609), capable of producing labels that remain readable in marine environments.



Customer:

Polynt Composites

Objective:

Implement a reliable GHS-compliant label printing solution with the ability to manage multiple facilities from a centralized location.

Solution(s):

Epson C3500 color inkjet printer
Epson C831 color inkjet printer
Bartender Enterprise Automation Software

Solution

Polynt Composites worked with Imprint Enterprises to find technology that could help them comply with the requirements of GHS and BS5609.

Imprint designed and installed a solution that included the Epson C831 and 3500 color inkjet printers with Bartender Enterprise Automation Software.

The Epson C3500 four-color inkjet printer allows Polynt to print color labels in one run, eliminating the need for preprinting color labels, as well as purchasing labels in large quantities and storing them. Individual ink cartridges keep costs down with more efficient use of ink. The C3500 is also designed for high-volume, commercial environments to stand up to heavy use in harsh chemical manufacturing environments.

Imprint also included the Epson ColorWorks C831 inkjet label printer in the solution, the first BS5609-certified inkjet solution. When used with durable pigment-based inks that bind to label media fibers, it produces long-lasting images that remain readable even when exposed to salt water. The rugged C831 is also dust, dirt, and water resistant, and reliably performs in chemical manufacturing environments.

Bartender Enterprise Automation Software provides Polynt with the means to manage its complicated print environment, to secure designs, and monitor printing projects and users, and integrates with other business systems.

Imprint installed 40 units in 11 locations nationwide; the \$100,000 project took six months to complete.





Benefits

The solution provided by Imprint Enterprises enables Polynt to produce GHS and BS5609 labels efficiently and cost effectively to comply with regulations and ensure safety when chemicals are transported and used in manufacturing facilities.

With complete integration of automated label printing through SAP, the company's enterprise resource planning (ERP) system, Polynt can easily use its database, material safety data sheets, ProductVision regulatory compliance software, and Bartender label software capabilities to design and print labels automatically through SAP. The solution is also easy to manage and maintain across the entire corporate WAN.

Automating the label printing process means users don't require special training to produce labels compliant with GHS and BS5609. Furthermore, if regulatory requirements change in the future, the system can be updated to reflect those changes without users needing to be retrained or to change their workflows or processes, lowering the TCO and making the solution provided by Imprint Enterprises future-proof.