



Applications

CASE STUDIES



How do you track WIP and Finished Goods polyester film rolls utilizing mobile RF terminals?

Integrated Visual Systems

has the answer.

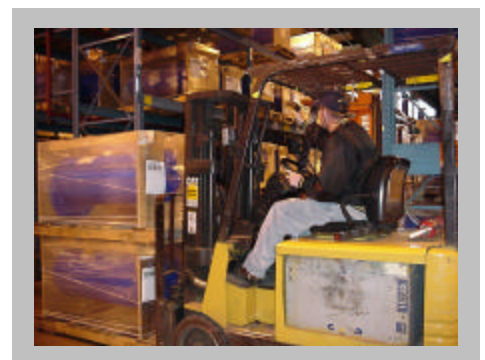
A custom designed warehouse management system with a real-time interface to the HP 3000

Mitsubishi Polyester Film, LLC, formerly Hoechst Diafoil Co., is part of the Mitsubishi Polyester Film Group which also includes plants in Germany, Japan and Indonesia. The Mitsubishi Polyester Film Group is owned by Mitsubishi Chemical Corp, one of the world's top ten chemical companies. The total capacity for the Mitsubishi Polyester Film Group is 170,000 tons/year ranking it number two in the world in polyester film production. The 193-acre site in Greer, S. C. is the administrative, manufacturing, research and development and marketing headquarters for production of Hostaphan® polyester film.

Mitsubishi's requirement was for a real-time Inventory Management System that would interface to their existing manufacturing system. The host application runs on an HP 3000 platform and was developed in-house by Mitsubishi to meet their specific requirements. Unique roll numbers are created on the host system and downloaded immediately to the Inventory Management System.

The manufacturing system issues the transactions to be performed on the rolls (slitting, grinding, pick for orders, etc.) The Inventory Management System performs the transactions utilizing RF terminals and provides immediate updates to the host.

The system also provides for increased operator efficiency in the warehouse. The Putaway transaction guides the operator to the nearest location that meets the criteria for the roll type. The operator has the flexibility to move one or two (forklift capacity) rolls at a



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time. The finished goods putaway includes logic to keep like products and/or rolls manufactured for the same customer order grouped together.

All customer orders are picked using the RF terminals in a paperless environment. Bills of Laden are downloaded from the host to the Inventory Management System. The operator is prompted through the pick process until all rolls assigned to the order are picked and staged.

A separate load function assures that every roll that was picked and staged gets loaded on the correct trailer. The operator scans the roll and then the dock door barcode to guarantee proper order loading. A Pick to Load function is also provided.

Perhaps the greatest boost to inventory accuracy resulted from the implementation of routine cycle counting of inventory locations. The Inventory Management System tracks each warehouse location according to a user defined cycle count frequency. The cycle count operator is prompted to count each location according to its frequency and the date of the last cycle count. This assures that every location is counted on a regular schedule.



About Integrated Visual Systems

Integrated Visual System's primary focus is to deliver world class solutions to meet our clients automated data collection (ADC) requirements. To meet these specific requirements, we maintain a full development staff in-house. Both standard packages and custom designed applications are written and supported.

IVS provides a resource for companies who wish to implement integrated data collection (DC) systems without the expense of having a specialist on staff. With our years of experience in the design, installation, and support of DC systems, we can help companies realize the full potential of data collection equipment available on the market today and in the future. IVS develops DC systems for a variety of industries including textiles, apparel, furniture, distribution and manufacturing.

We specialize in the development of real-time data collection applications which provide a "queued real-time" host interface. IVS offers on-site installation and training, complete hardware and software technical support, and RMA service.

In essence, IVS is a systems integrator providing turnkey data collection solutions with an emphasis on service and support. Various application write-ups and case studies are available. Please be sure to contact us to discuss your specific requirements.

IVS.Manufacturing Application Suite

IVS.Warehousing

IVS.JobTracking

IVS.LaborTracking

IVS.ProductionRecording

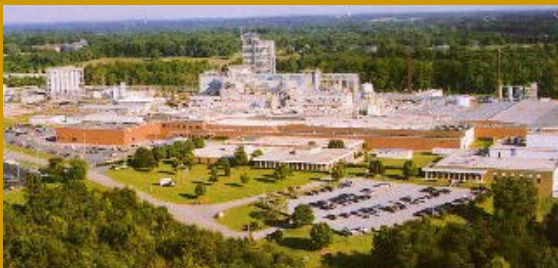
IVS.MachineMonitoring

IVS.Inspection

IVS.IncentivePay

IVS.Time&Attendance

IVS.AccessControl



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