

# PAPERVUE FEATURES & BENEFITS

Features	Benefits
Simple integration with existing ERP systems	PaperVue integrates smoothly with ERP systems used by paper manufacturers and printing houses, and data are passed seamlessly between ERP software and PaperVue.
Real time reel visibility	Supply chain, technical marketing, production, and accounting managers can gain visibility into the location of reels in real time.
Reel identification card throughout lifecycle	With PowerID's highly reliable PowerR RFID label attached to its core, every reel is identifiable from the manufacturer's winding machine to the printing house's waste bin - even when the wrapping paper is removed.
Quick return on investment	Low capital costs combined with savings on labor, inventory, production, and complaints processing translate into quick ROI.

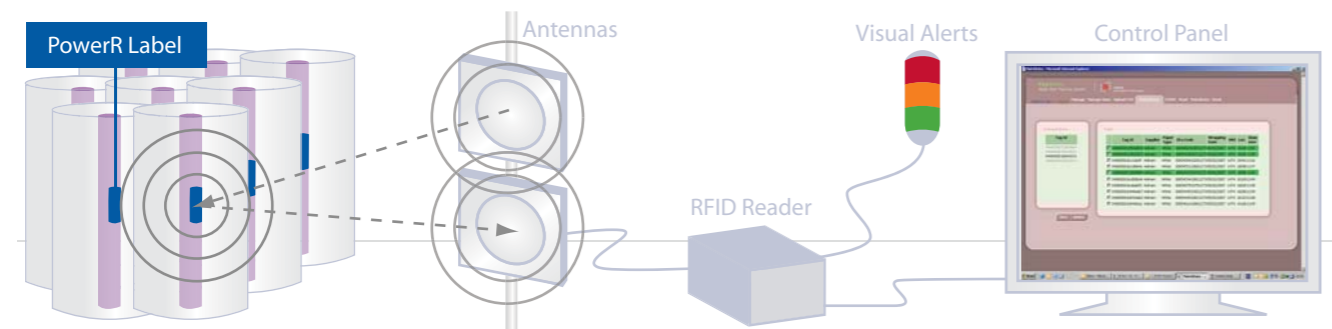
# PAPERVUE COMPONENTS

## PowerID RFID Hardware

- **High reliability:** providing over 99.9% read rates
- **Omnidirectional:** Ability to read 360° around the reel core
- **High Read Range:** Up to 10 meters from core of paper reel
- **Affordable:** Prices of PowerID labels and industry standard readers are attractive, helping to achieve quick ROI

## YIT Software

- **Seamless integration:** Integrates with ERP systems and can act as an invisible software layer whose data are viewed via the ERP user interface
- **Reports:** Generates reports on demand, showing the reel location, inventory levels, as well as status of orders and complaints
- **Alerts and updates:** Provides updates and alerts on inventory levels, incoming reels, etc., as specified by supply chain manager



## About PowerID Ltd.

PowerID is the industry leader in the field of Battery-Assisted, Passive (BAP) RFID technology. The company provides reliable, cost-effective, high-performing BAP RFID labels that are compatible with off the shelf RFID readers and are used for challenging applications in various vertical markets.



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## About Yedioth Information Technologies

YIT specializes in providing IT solutions exclusively for the media industry. Optimizing effectiveness and efficiency, YIT provides core services to the media market, such as newspaper distribution, production control, business intelligence, hardware and software provision and supply chain management.



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# PAPERVUE

## Real Time Paper Reel Tracking And Visibility

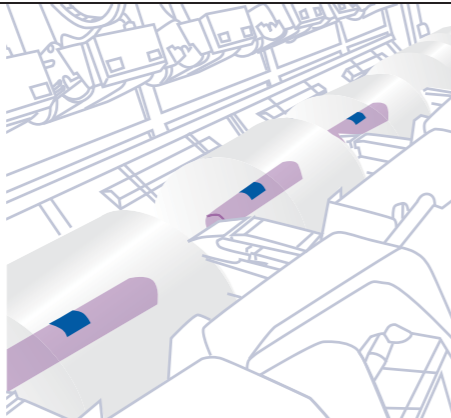
PaperVue™ provides real time tracking and visibility of paper reels, from paper mill to printing house, providing quick return on investment (ROI) for manufacturer and publisher by reducing supply chain inefficiencies, inventories, and paperwork. Based on PowerID's PowerR™ radio frequency identification (RFID) labels and Yedioth Information Technologies' (YIT) software, PaperVue is a solution that cuts costs associated with newsprint purchasing, manufacturing, transport, labor, inventory, production control, and complaints processing.

Today, printing houses spend an estimated 40-50% of total costs on newsprint-related activities such as logistics, storage, and complaints processing. In addition, the supply chains of newsprint manufacturers include inefficiencies, such as sending reels to wrong customers, temporarily misplacing reels, and overstocking inventory.

PaperVue addresses these problems, while providing a rapid ROI. PowerID's PowerR battery-assisted, passive (BAP) RFID labels are attached to the reel core and can be read from up to ten meters; these ranges make PaperVue the only reliable, affordable solution that can be used along the entire supply chain - at wrapping machines, warehouses, shipping docks, and printing presses. In addition, YIT software integrates smoothly into existing ERP and logistics systems.



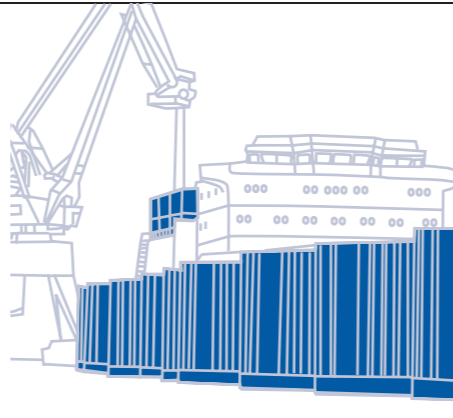
# CUTTING COSTS ACROSS THE SUPPLY CHAIN



## Paper Mill

- Feature**
- Visibility of reel from production floor to warehouse to transport vessel
  - Real time inventory updates allow for minimal inventory

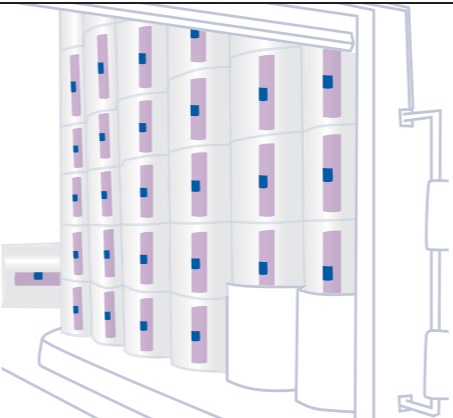
- Cost Savings**
- Optimize work-in-process
  - Reduce mis-shipments



## Port

- Automatic registration by system
- Automatic order trigger to supplier
- Automatic cross reference with mill shipment

- Reduce labor
- Reduce inventory and related costs (insurance, space, etc.)



## Publisher Warehouse

- Automatic registration and documentation
- Automatic cross reference with mill shipment
- Automatic alert of missing or mis-shipped reels

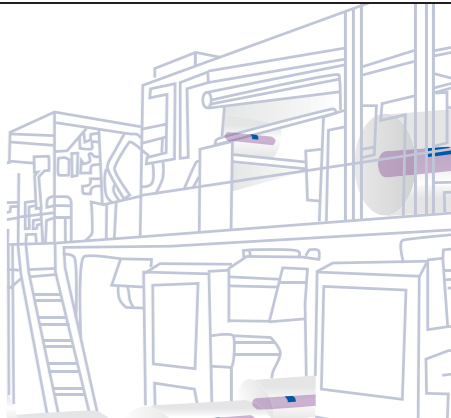
- Eliminate manual labor needed for recording reel arrival
- Reduce paperwork and labor to report missing reels



## Removal from Warehouse

- Visibility of location movement
- Continued visibility once reel wrapping is removed

- Fewer paper breaks due to real time monitoring



## Press and Post-Press

- Track reels on reel stand and beyond
- Assure that reel is on correct reel stand
- Track and report defective reels

- Reduced costs related to complaints processing (labor, paperwork)
- Reduced press downtime due to reels placed on wrong reel stands
- No need to weigh waste

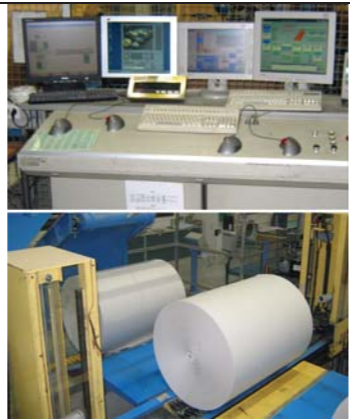
# BRINGING VISIBILITY FROM MILL TO PRINTING HOUSE



- Label on reel core acts as identification from reel birth at winding machine to disposal at print site



- Paper wound around tagged core at winding machine



- Reel label data is read by RFID reader at wrapping station and added to information on the reel



- Reel tracked at RFID read points along the way to printing house



- Reel is identifiable on printing press, even after wrapping is removed



- Reel label read as it exits printing house