



Company

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February 2006

NEW LOGISTICS PRODUCTS & SERVICES

## rollouts

**Talk to the hand:** **Vocollect** says its latest innovation brings voice-directed work to the palm of your hand. Vocollect Voice for Handhelds uses the same industrial voice-recognition technology that powers Vocollect's Talkman wearable computers to voice-enable handheld devices. Voice applications can improve productivity and accuracy when used in concert with other handheld functions. This capability expands the hardware platform alternatives available to customers who want to deploy voice-directed technology in distribution centers and areas beyond the warehouse.

The biggest benefit that Vocollect Voice for Handhelds brings to the market is that clients can now mix and match devices in the same deployment under the same management tools and IT architecture. The software, which supports 13 language sets, allows team members to select a male or female voice and choose from nine prompt speeds. Vocollect's family of speech recognition headsets, designed specifically for demanding industrial work environments, can be employed via a snap-on adapter that accommodates a break-away connector or through a consumer-grade audio jack. Symbol Technologies' MC9060-S is the first handheld device that will be supported, with handhelds from other manufacturers to follow in the coming months. (Vocollect, [www.vocollect.com](http://www.vocollect.com))

**Home grown:** **TGW-ERMANCO's** ULC (Unit Load Conveyor) will now be manufactured in the United States. In the past, TGW manufactured the rugged conveyor in Austria, but production is now beginning at the company's Spring Lake, Mich., facility.

Rugged ULC chain and chain-driven live roller conveyors transport and accumulate loads weighing up to 3,300 pounds. Chain conveyors have overlapping chains at transfer points for smooth transitions from conveyor to conveyor. Chain tensioners can be easily adjusted without the use of tools and have a patented clutch to prevent over-tightening. ULC transfers use a lifting mechanism that moves horizontally as well as vertically, for gentle handling of pallets. This conveyor is backed by a two-year warranty. Engineering, application, spare parts, and service for ULC will now be based in the Spring Lake facility. (TGW-ERMANCO, (231) 798-4547, [www.tgw-ermanco.com](http://www.tgw-ermanco.com))

**Online audits:** **GT Nexus**, which provides on-demand software and services for international logistics and supply chain management, offers a new Global Freight Audit management system. Deployed over the GT Nexus Web portal as a network-based service, the system helps users manage complex global air and ocean transportation charges.

With this platform, importers, exporters and logistics service providers can systematically audit and reconcile freight charges directly against their negotiated contracts in one streamlined, automated process. Since the service is offered on an on-demand basis, entry costs are low and deployment is rapid. The Web-based tools are said to be intuitive and easy to use from anywhere in the world. (GT Nexus, [www.gtnexus.com](http://www.gtnexus.com))

**Where is it?** **Gabriel Technologies Corp.**, a transportation security company, has launched Trace, a service that locates and/or tracks assets or people. The service uses Qualcomm SnapTrack's GPS software for devices using the ReFlex wireless paging network. Trace provides a flexible, rapidly deployable assisted-GPS location-based service that enables a wide array of customizable applications. (Gabriel Technologies Corp., [www.gabrieltechnologies.com](http://www.gabrieltechnologies.com))

**Not too hot, not too cold:** **Dickson Co.** has reduced the prices and added new features to its temperature and humidity monitoring devices, which are designed to reduce inventory spoilage. The company says it's now offering three different models of its TH8 8-inch temperature/humidity chart recorders and five models of its KT8 K-thermocouple remote sensing chart recorders at prices as low as \$319. (Dickson Co., (630) 543-3747, <http://new8.dicksonweb.com>)

**Collaboration anyone?** **ClearOrbit**, a company that provides real-time supply chain execution and collaboration software solutions, has released version 5.5 of its Xtended Process Control Suite (X.PC). Designed to work with ERP systems, such as Oracle E-Business Suite and SAP R/3, ClearOrbit's new Internet-based X.PC has added capabilities to enable seamless collaboration among suppliers, 3PL service providers, and contract manufacturers.

<a href="#"><u>DHL</u></a>	Enhancements to the new release of X.PC include new Internet-based remote printing capabilities for suppliers, so they can quickly generate bar-code and RFID labels. It also offers a new X.PC "master schedule priorities planning" screen that allows buyers to see where demand and capability can be balanced. X.PC's new Web-based wizards allow new suppliers to quickly adopt its functionality, without costly external support. Microsoft Office integration now lets buyers and suppliers work within MS Excel, while configurable "time windows" allow buyers and suppliers to collaborate on demand plans and supplier schedules. X.PC Release 5.5 also offers expanded reporting and alerting capabilities, including standard reports and common alerts, such as "missed shipment messaging" and "supplier scorecards," so suppliers can be compared based on common performance metrics. (ClearOrbit, (800) 324-5143, <a href="http://www.ClearOrbit.com">www.ClearOrbit.com</a> )
<a href="#"><u>Symbol Technologies</u></a>	
<a href="#"><u>International Paper ASURYS</u></a>	
<a href="#"><u>Carrier Transicold</u></a>	<b>Tergo charged:</b> The Forte UNS Tergo is the latest model in <b>Atlet Inc.</b> 's UNS Tergo series of reach trucks. Designed and built to withstand the demands of today's high-volume DCs and warehouses, Forte provides a level of performance substantially higher than Atlet's previous UNS model. The Forte's improvements make pallet transport and stacking much quicker. In the new model, driving speed has been increased 16 percent to a maximum of 8.6 miles per hour. With new lift/lower motors, lifting speed has also increased by 20 percent to 137.7 feet per minute. Additionally, mast reach speed has increased 66 percent to 39.3 feet per minute. The masts also have enhanced dampening when lifting and lowering for safer, jerk-free pallet handling.
<a href="#"><u>Castell</u></a>	
<a href="#"><u>IntelliTrack</u></a>	
<a href="#"><u>UFP Technologies Inc.</u></a>	The vehicles feature lift capacities of 3,000, 3,500, and 4,400 pounds, with standard lift heights over 35 feet. The Forte is also fitted with Atlet's Stability Support System (S3), which controls speed and acceleration to assure truck stability. S3, governed by the Atlet Truck Computer (ATC), also provides an interface between speed and steering sensitivity. The Forte automatically reduces truck function speed in proportion to the lift height, and overrides unsafe maneuvers. (Atlet Inc., (847) 352-7373, <a href="http://www.atlet.com/usa">www.atlet.com/usa</a> )
<a href="#"><u>Keytroller</u></a>	
<a href="#"><u>Chromalox</u></a>	<b>Adapted for Axapta:</b> <b>Microsoft Corp.</b> , working in conjunction with Manhattan Associates, now offers an industry-specific supply chain software solution known as Supply Chain Execution for Microsoft Axapta: Manhattan Associates Inc. The solution is one of five industry-specific solutions Microsoft has developed in close alliance with selected independent software vendors participating in the Microsoft Industry Builder initiative. These solutions are packaged with Microsoft support offerings and code review. (Microsoft Corp., <a href="http://www.microsoft.com">www.microsoft.com</a> )
<a href="#"><u>Rousseau</u></a>	
<a href="#"><u>MCA Solutions</u></a>	<b>Robo-ops:</b> The Kiva Mobile Fulfillment System (MFS) from <b>Kiva Systems Inc.</b> brings robotic technology to DC order fulfillment operations. The Kiva MFS employs hundreds of low-cost mobile robots to carry inventory shelving pods directly to operators, tripling the number of orders filled per person per hour. The system works as an automated storage and retrieval technology that brings any item to any operator, regardless of the breadth of inventory items. Operators stand at pick stations along the facility's perimeter, where they use an innovative pick-to-light/put-to-light process to select items and place them into the correct shipping container.
<a href="#"><u>Avery Dennison Printer Systems</u></a>	
<a href="#"><u>Intermec</u></a>	Operators also benefit from the modular design of the Kiva MFS, which means that a system can be installed in one day and re-configured as needed. This flexibility supports growing operations because it allows them to add capacity on very short planning cycles. The inventory pods accommodate a wide range of SKUs—from refrigerators to pens to shirts to plates—providing the flexibility to grow and adapt as business needs change. (Kiva Systems, <a href="http://www.kivasystems.com">www.kivasystems.com</a> )
<a href="#"><u>Accu-Sort</u></a>	
<a href="#"><u>Thermo King</u></a>	<b>It's a wrap:</b> The new SB-2000 shrink bundling system from <b>Lantech</b> combines an energy-saving PLC-controlled ConvectAir shrink tunnel with a wrapping module. At less than 12 feet long, this bundling system is almost 25 percent shorter than conventional machines in this class. The SB-2000 shrink-wraps up to 30 transport packs per minute with low energy consumption and consistent placement. It is suitable for any product shipped on corrugated trays, pads, U-boards or with film only, such as canned goods, beverages, ice cream, household chemicals and cleaners. The belt-fed SB-2000 accommodates products measuring up to 24 inches wide by 12 inches high. It uses a cradle-type film delivery system for convenient loading from the side without the need for mandrels.
<a href="#"><u>Inovis</u></a>	
<a href="#"><u>HK Systems</u></a>	
<a href="#"><u>Onset Computer Corp.</u></a>	The SB-2000 uses Lantech's Ever-Clean cross seal system for reliable, maintenance-free operation. The system cuts and seals the film at the same time. The cross-seal bar uses separate heated surfaces for cutting and sealing, operating at the minimum required temperature to eliminate melted film build-up and to ensure seal quality. The ConvectAir shrink tunnel combines convection and radiant heating with a minimal flow of recirculating air produced by a variable speed fan. The fan allows tunnel performance to be tuned to suit the type of film and packs being processed. The machine's touchscreen PLC control holds user-defined setups that specify conveyor speed, sealing temperatures, tunnel temperature and tunnel fan speed. (Lantech, (800) 8660322, <a href="http://www.lantech.com">www.lantech.com</a> )
<a href="#"><u>Strategic Systems &amp; Technology Corp.</u></a>	
<a href="#"><u>FKI Logistex</u></a>	
<a href="#"><u>FKI Logistex</u></a>	<b>Cool deal:</b> Thermo Gard Bronze, a preventive maintenance and inspection program for all new <b>Thermo King</b> truck and trailer units, has been extended to include units that go into service in 2006. Thermo Gard Bronze is designed to save customers time and money by making unit maintenance easier. Offered at no charge, the Thermo Gard Bronze program includes two interim inspections and one preventive maintenance service for three years, up to a maximum of 6,000 hours, on new trailer and SB Classic units. Self-powered truck units receive one interim inspection and one preventive maintenance servicing for two years, while vehicle-powered truck units receive two interim inspections for two years.
<a href="#"><u>Symbol Technologies and Avaya</u></a>	

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The Bronze program makes it simple and convenient to keep reefer units running at maximum efficiency. All services are performed by certified technicians using only genuine Thermo King parts and can be scheduled with any Thermo King dealer nationwide. Also new to the extended program is an optional e-mail maintenance reminder. By simply providing an e-mail address, customers can sign up to receive service reminders from Thermo King SVC based on age of equipment or the number of hours on a unit. (Thermo King Corp., [www.thermoking.com](http://www.thermoking.com))

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**Suite success: The Descartes Systems Group**, a company that provides on-demand delivery management solutions and services for transportation, logistics, manufacturing, retail and distribution enterprises, has announced enhancements to its Delivery Management and Global Logistics Network suites. These solutions provide fleet management, contract carrier management, visibility and event management, logistics messaging and rate management.

As a result of the upgrade, Descartes' Route Planner contains enhanced visualization and user interface control options to improve ease of use and manage user access across the enterprise. The software considers factors like stops per hour and pounds per mile to ensure routes are consistent with company performance goals. Descartes' Automated Vehicle Locator is enhanced to offer light dispatch features for work assignment and route edits and has extended views to enhance the productivity of customer service representatives.

Descartes' MobileLink now covers a wide array of mobile workforce applications and allows enterprises to pass more types of information to and from handheld devices. The new GPS-enabled Descartes MobileLink Tracker enables logistics operations to track their pickups and deliveries without requiring driver intervention. Descartes' Transportation Manager offers improved load optimization performance and addresses a broader range of market requirements, such as support for fuel surcharges for logistics services providers.

Descartes' Visibility & Event Management has been enhanced to improve problem alerting and documentation, and facilitate collaboration in resolving supply chain problems. Descartes' Reporting Services have been enhanced to allow customers to mine all types of supply chain data and more easily display it through a dashboard. (The Descartes Systems Group Inc., [www.descartes.com](http://www.descartes.com))

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**Dock and yard help: Glacier Computer** has teamed with Synergistic Systems to offer a complete solution for cross-dock and yard management applications. Synergy Cross Dock handles freight at the interval between the inbound trailer's arrival at the dock and the outbound trailer's closing and dispatching. The Cross Dock application resides on Glacier GX 1000 and GX 1200 industrial computers, which are designed to operate in the harshest of environments. Synergy Yard Management, running on the Glacier industrial terminal, monitors trailer status from entrance gate to exit gate and every step along the way. (Glacier Computer, (603) 882-1560, [www.glaciercomputer.com](http://www.glaciercomputer.com))

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**Analyze this:** The need to boost inventory turns, reduce overhead and successfully manage demand-driven operations requires unprecedented visibility and the ability to analyze dozens of processes in real time. With **Integrated Warehousing Solutions'** IRMS.net product and an advanced analytics dashboard, 3PLs, distributors and manufacturers can now see and understand where and how products are moving, all from a single, familiar interface and with just a mouse click or two.

An enhancement to the latest version of the IRMS suite, IRMS Analytics is built on the .Net platform to deliver quick, easy and accurate visual representation of all aspects of operational performance. With IRMS Analytics, managers and executives simply define the graphical representation they prefer and instantly see current state, key performance indicators and historical perspective in any number of formats. The solution allows for click-and-see drilling down for details and customized reports for sharing information throughout the organization. (Integrated Warehousing Solutions, (800) 682-2910, [www.irmswms.com](http://www.irmswms.com))

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**A full accounting of costs:** With the growth of international supply chains, keeping track of costs across a wide array of suppliers, carriers, and more—not to mention an array of currencies—creates a big headache for global supply chain managers. To ease the pain, **GT Nexus**, a company that markets on-demand software for international logistics and supply chain operations, has introduced its Global Cost Control management system.

The system is offered as a network-based service available on demand over the Internet. It provides "as is" capture, reporting and analysis of real-time sourcing and logistics costs as they are incurred. The company says this is a major improvement over traditional landed cost practices, which typically present either a "before" scenario, which is based on freight cost assumptions, estimates, averages, historical data and projections, or an "after" scenario, using a manually prepared roll-up of assembled charges, collected and analyzed after the fact.

The GT Nexus system allows organizations to gain an integrated view of the physical supply chain, including international transportation and logistics partners, and the financial supply chain, including purchasing agents and suppliers who work with first cost purchase orders, supplier invoices, freight charges, insurance, duties, taxes and customs fees. It provides a real-time view into global supply chain costs as they are incurred and tracks them as they accumulate. The system organizes costs into categories, then calculates and assigns them proportionately to the

appropriate shipment, order line item or SKU. (GT Nexus, [www.gtnexus.com](http://www.gtnexus.com))

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**Raising the bar:** HighJump Software has released a new version of its Supply Chain Advantage software. The new edition, Version 8.0, offers both product enhancements and an improved graphical user interface on its Microsoft .NET platform. Customers will benefit from improved enterprise readiness, seamless integration with existing business systems, additional best practice-based functionality and ease of workflow configuration.

Among the enhancements is integration with Vocollect's Voice-Directed Distribution, which adds voice-enabled picking to the Warehouse Advantage solution. Adding a complete set of executive dashboard performance metrics and Web pages also enhances the solution's supply chain visibility. Other enhancements have also been made to the manufacturing execution and yard management modules. (HighJump Software, [www.highjump.com](http://www.highjump.com))

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**Map out the hot spots:** Dickson Co., a company that makes temperature, humidity and pressure recorders and data loggers, has created a free non-commercial guide to temperature and humidity mapping. Warehouse managers seeking to eliminate environmental-related inventory spoilage can now view the "[Temperature and Temperature/Humidity Mapping Guide](#)" at no charge. The guide provides step-by-step instructions on how to create and maintain effective facility mapping programs that can protect inventory quality. Topics include appropriate sampling rates, data logger selection criteria, remediation considerations, and how to determine critical mapping points. (Dickson Co., [www.dicksonweb.com](http://www.dicksonweb.com))

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**Trailing the railing:** The RailTrack System from APS Technology Group is a visual inventory tracking system for rail yard and intermodal terminal operations. The system automates the manually intensive trackside inventory process that occurs following a train's arrival. It also maintains the current inventory as equipment is shuffled from track to track.

As a train enters the facility, the company's Rail OCR Portal or two stand-alone AEI readers identify each car. This information is sent to a central computer that records the equipment number, type and sequence. Overhead CCTV cameras deployed on existing light poles then monitor the moving traffic below. The RailTrack system "locks on" to the specific equipment and begins visually tracking it. As the train is broken up onto storage or working tracks within the yard, cameras continue to watch the activity below, which allows the system to provide ongoing updates of the exact GPS coordinates of each piece of equipment. (APS Technology, [www.aps-technology.com](http://www.aps-technology.com))

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**Imports made easier:** In response to demands for faster delivery of products manufactured overseas, DHL has launched a new service known as Danzas Air & Ocean Consolidated Distribution Services (CDS). The new CDS service is targeted to DHL customers in the textile, electronics, pharmaceutical, and other industries where a single importer-of-record has multiple final delivery points within the United States. CDS combines the international heavy-weight capabilities of DHL Danzas Air & Ocean with the DHL U.S. Express domestic network to move shipments seamlessly to their destination, bypassing costly and timeconsuming warehouse stops. CDS allows customers to reduce brokerage fees and slash delivery times for U.S. imports from Asia, Europe and Latin America.

The CDS process starts as products manufactured offshore are prepared with U.S. domestic shipping labels that are placed on the packages and prepared to ship via DHL by air or ocean. After arriving at a DHL Danzas Air & Ocean U.S. import gateway, the shipments clear customs as a bulk clearance under one customs entry. The shipments are then broken down and introduced into the DHL U.S. Express delivery network, where they are sorted at one of 21 hubs and regional sort centers and routed to the appropriate DHL service center for final delivery. The customer receives one invoice for the entire CDS move, including clearance charges, duties and taxes. (DHL, [www.dhl.com](http://www.dhl.com))

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**Packing heat:** Symbol Technologies has introduced a new pistol grip form factor for its MC3000 family of mobile computers. Named the MC3090G, this new configuration offers customers in the transportation, logistics, retail and other industries increased flexibility and versatility. The MC3000 line of mobile computers will also now include Microsoft Windows CE 5.0 and additional features like 802.11b/g/a WLAN connectivity.

Designed to increase efficiency in scanintensive operations, the MC3090G additionally incorporates the latest Intel XScale processor and is a compact, lightweight, highly ergonomic rugged mobile computer. Applications for the units include retail inventory replenishment, price audits, warehouse shipping and receiving, and other high-scan applications. The computers are also suitable for transportation and logistics workers who require a secure and rugged portable device.

The Windows CE 5.0 computing platform provides fast performance and Web browsing capabilities. Select configurations include a rotating scan head with left, right and front positions to allow the user to adjust the scanning position for increased comfort and productivity. Units in the MC3090 series can be equipped with a Mobility Services Platform (MSP) agent that will collect and monitor device performance information and then deliver status in real time to a centralized Symbol MSP management console. (Symbol Technologies, [www.symbol.com](http://www.symbol.com))

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**RFID-ready, willing and able:** International Paper's ASURYS (formerly Smart Packaging) business has teamed with Cascade Corp. to offer RFIDready clamp truck solutions. The integrated RFID clamp truck system can be used to improve inventory accuracy, reduce lost shipments and improve overall supply chain management, while eliminating the need for RFID portals at every dock door. The RFID-ready clamp trucks feature rugged readers and locator technology that exceed industrial requirements for surviving harsh warehouse environments. The attachments are installed with integrated RFID readers, antennas and respective cabling. The trucks read electronic product code (EPC) pallet and product tags for tracking every product movement in the warehouse. With the combined use of RFID and other proprietary technologies, the trucks even monitor and report their own locations in real time through wireless messaging. (International Paper's ASURYS, [www.asurys.com](http://www.asurys.com))

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**Mobile insulation:** To eliminate the sizing problems usually associated with insulated trailer bulkheads, **Carrier Transicold**, in partnership with ITW Insulated Products, has developed the UB1 Universal Bulkhead. Available through Carrier Transicold's dealer network, the bulkhead is lightweight and simple to use. It can be ordered for any size and is portable.

The universal bulkhead consists of two large two-inch-thick insulated panels that overlap to create a barrier that fits within a trailer of any common dimension. The design is easier to operate than oversized conventional bulkheads and will provide a thermal efficient seal, even in older bowed trailers. (Carrier Transicold, [www.trucktrailerlocator.carrier.com](http://www.trucktrailerlocator.carrier.com))

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**Locked out:** **Castell** has expanded its Salvo dock door locking system by introducing an automatic door lock developed specifically for manual-lift loading dock doors. Salvo is an automatic interlocking system designed to prevent accidents associated with unscheduled truck departures. Salvo's Automatic Door Lock will only allow the door to be unlocked and opened once the Salvo key has been inserted into a control panel located on the exterior wall next to the loading dock door. This ensures that the trailer will not be able to move during loading and unloading operations and warns the driver that it's not safe to depart. In addition, the Automatic Door Lock tells the dock attendant that the trailer is locked out and that loading or unloading can begin.

Salvo's new door lock consists of a solenoid-controlled latch lock with auxiliary switch contacts. The auxiliary contacts can be used to provide the option of switching power to lights or another piece of dock equipment only after the door lock has been unbolted. (Castell Safety International, [www.SalvoUSA.com](http://www.SalvoUSA.com))

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**Making Quick work of it:** **IntelliTrack**, a developer of affordable software for bar-code, RFID, batch and wireless data collection, has released IntelliTrack for QuickBooks, a new family of products that interface with Intuit's QuickBooks. IntelliTrack for QuickBooks offers large-business inventory management features to small and medium-sized businesses at a fraction of the cost. The combination of a warehouse management system and an accounting system provides a complete, effective inventory and order fulfillment solution. The software performs essential warehousing functions such as paperless picking, paperless receiving, mobile inventory, physical counts, cycle counts, bar-code and RFID support, and mobile computing. IntelliTrack products for QuickBooks are offered in batch, wireless and professional versions to suit a variety of budgets and inventory management needs. (IntelliTrack Inc., [www.intellitrack.net](http://www.intellitrack.net))

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**Positive ID:** **UFP Technologies Inc.**, a manufacturer of custom-engineered packaging materials, introduces its new PNP (Part Number in the Pocket) technology for positive component identification. The part numbers in the pocket are located in the bottom of a tool or component silhouette pocket cavity and are protected by a clear plastic laminate. PNPs are ideal for reordering components or specialty tools and allow the user to identify the exact part number when requesting a replacement. UFP's case inserts and totes, when used with PNP technology, ensure positive identification and protection. Applications for these containers include distribution fulfillment kits, material handling, assembly, production and kitting. (UFP Technologies, (800) 372-3172, [www.ufptech.com](http://www.ufptech.com))

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**Weighing in:** **Keytroller** offers a new, highly accurate weighing scale developed for forklifts with in-cab wireless PDA displays. The Weightroller Forks can significantly improve productivity by eliminating trips to a static ground scale. Accurate weighing of incoming and outgoing loads can also verify bill of lading weights and ensure correct billing charges, while preventing overloading. The Weightroller Forks scale displays, accumulates and records the weight of each lifted load with an accuracy of 0.1 percent (5 pounds in a 5,000-pound load). This new design requires no installation—the forks are simply hung on a standard forklift carriage. These weighing forks can be switched between any make or model forklift with the same Class 2 or Class 3 carriage.

A wireless in-cab PDA communicates with the forks, allowing the operator to view load weight in pounds or kilograms. Custom Weightroller software in the PDA allows each weighing event to be logged according to time and date, load weight, company, customer, load description, trailer ID and customized comments. Logged weighing events can then be exported from the PDA's cradle to a host PC, where the events can be filtered and graphed. An on-board Bluetooth-enabled printer can also use the information to print adhesive labels. (Keytroller Inc., (813) 8774500, [www.keytroller.com](http://www.keytroller.com))

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**Warming up to the idea:** **Chromalox**, a company that makes electric industrial heaters, has added a new blower heater to its heating product line. The Model HVH is designed to provide vertical or horizontal airflow through versatile mounting configurations for either wall or ceiling. Its compact size allows for placement in tight spaces within a facility. Additionally, the HVH is easy to install, requires minimum maintenance and has a long life, according to the company. Chromalox HVH heaters are UL Listed and CSA Certified for use in the United States and Canada, as well as CE Certified for use in most European applications.

Special features of the Chromalox Model HVH blower heater include a pilot light to indicate normal heater operation, an adjustable on and off electronic fan time delay control, an outlet screen to prevent objects from coming in contact with the fan, and easy access to internal components through a large door at the bottom and a removable case front. Optional controls on the front offer convenient adjusting, monitoring and operation of the heater. (Chromalox, (800) 4432640, [www.chromalox.com](http://www.chromalox.com))

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**Frame up:** **Rousseau's** Multi-Purpose Frame enables users to customize a workstation for enhanced efficiency. The frame allows everything to be stored within easy reach.

The Multi-Purpose Frame can be installed on Rousseau workstations and on most industrial workstations on the market. A variety of accessories are available, including dividers, work lamps, light duty arms and lamp adaptors, and shelves. The accessories can be installed without any tools. (Rousseau Metal Inc., (418) 598-3381, [www.rousseau-metal.com](http://www.rousseau-metal.com))

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**Software to go:** **MCA Solutions** offers its Service Planning and Optimization (SPO) On-Demand solution to help customers across the high-tech, telecom and semiconductor industries reduce inventory, increase fill rates and improve customer satisfaction. This Software as a Service (SaaS) offering enables companies to add capacity as needed and only pay for the resources and functionality they use. In addition, it allows companies to concentrate IT resources on vital projects, instead of application maintenance and support. MCA's SPO On-Demand can be up and running in as little as four weeks, with minimal configuration. A monthly subscription fee allows companies to access SPO and related services over the Internet. (MCA Solutions, (215) 717-2180, [www.mcasolutions.com](http://www.mcasolutions.com))

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**Look ma, no wires:** Wireless ethernet connectivity is now available for all current production **Avery Dennison Printer Systems** printers and print/apply labeling systems, including the Avery Dennison 6405 Wireless RFID printer. Wireless-enabled systems communicate remotely with routers and other devices using electromagnetic waves. Once deployed, the systems can be transported as needed and operated remotely without wired connections. The wireless capability enhances RFID and bar-code labeling flexibility in a variety of operations, and potentially reduces costs associated with wired networks. Companies can now order wireless-ready printers and print/apply systems from Avery Dennison, along with the external components and power supplies that equip the systems for wireless operation. (Avery Dennison Printer Systems, [www.ris.averydennison.com](http://www.ris.averydennison.com))

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**Can you hear me now?** Designed to withstand daily use in harsh environments, the new **Intermec** 761 handheld computer also gives the more than 47 million Verizon Wireless customers the option of making calls, sending data and managing documents with their Intermec units. This rugged mobile computer, powered by the Windows Pocket PC operating system, is the second generation device in Intermec's Model 700 series to be approved to operate on the Verizon Wireless network. The Intermec 761 supports voice and data transmission using CDMA/1XRTT technologies and employs Microsoft Windows Mobile 2003 Pocket PC Phone Edition software for enhanced operation. The Intermec 700 series of mobile computers includes WWAN technology, 802.11 and Bluetooth radios in a single device. (Intermec Technologies Corp., (800) 347-2636, [www.intermec.com](http://www.intermec.com))

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**No bar code left unread:** **Accu-Sort** has enhanced its most advanced camera, the AccuVision AV4000 (2.0), to allow the camera to read smaller bar codes at higher speeds with wider belt coverage and faster data transmission. The AV4000 (2.0) system combines a long-range camera, illumination and decoder into a single package. It features brighter LED illumination for cameras with long working distances as a result of a new 10-inch fresnel system versus the 6-inch standard. This provides sufficient lighting for the camera system to reach the required read rates. A fast frame grabber option offers faster data transmission rates of 128 Mb/second compared to the standard Acculink card's maximum transmission rate of 78 Mb/second. Accu-Sort also developed a new dual camera coplanar system that gives wider belt coverage. Camera read heads are installed in a single 10-inch LED coplanar illumination system to ensure that all boxes on the belt are read properly. (Accu-Sort Systems, (800) BAR-CODE, [www.accusort.com](http://www.accusort.com))

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**Running hot and cold:** **Thermo King's** TriPac Auxiliary Heating/Cooling Temperature Management System now offers a 1,000-hour maintenance interval. The TriPac is an auxiliary power unit (APU) that provides drivers with bunk heat, engine pre-heat, air conditioning, and accessory power, while reducing idling and conserving fuel. Since idle time is reduced, wear and tear on the truck engine is also reduced.

With its 1,000-hour maintenance interval, TriPac is now more owner-friendly, allowing maintenance to be performed at

the same time as maintenance on the tractor, eliminating additional downtime for APU maintenance. An auto start/stop function further reduces maintenance intervals by turning the TriPac on only when needed, saving fuel and reducing the number of hours the unit runs. When maintenance is due on the TriPac, service is available at any Thermo King dealer nationwide, regardless of where the unit was purchased. (Thermo King, [www.thermoking.com](http://www.thermoking.com))

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**In sync:** Inovis has released the latest version of its data synchronization application, Inovis Catalogue. Enhancements to the program, which is designed to help retailers and suppliers improve trading partner collaboration, are aimed at ensuring accessibility and accuracy of product information and avoiding costly discrepancies, regardless of data volume or complexity.

The latest enhancements to Inovis Catalogue include text file download, which enables retailers who need data immediately to complete in-progress purchase orders and offers suppliers an easy method of comparing catalog data to data contained in source applications. The configurable compliance feature offers optimal flexibility to support industry and trading partner data validation requirements. An enhanced search screen offers new search criteria, such as the ability to find data across multiple vendor catalogs. (Inovis Inc., [www.inovis.com](http://www.inovis.com))

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**Weaving a new Web:** HK Systems introduces HKplanet.net—an interactive resource designed for material handling and software enthusiasts. The site allows visitors access to a "live" 24/7 portal and an experienced team of engineers, technicians and consultants, who respond quickly to questions and requests for more information. The site's "Ask Clark" link provides real-time answers and suggestions for material handling and software challenges. The "Emergency Hotline" link gives immediate responses for urgent material handling and software needs. And the "Community Forum" link allows users to share thoughts, comments and philosophies relative to the industry. In addition, visitors can take advantage of a library of tools, technical literature, educational materials and postings from other experienced users to improve operational performance, enhance efficiency and increase productivity. (HK Systems, [www.Hkplanet.net](http://www.Hkplanet.net))

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**Logging operation:** Onset Computer Corp. has introduced HOBOWare 2.1 for Windows, a software package designed for use with its HOBOPendant data loggers, which monitor temperatures of perishable goods during transport and storage. The new software makes it easy for users to set high and low temperature alarm thresholds, select sampling intervals, and print time-stamped graphs of temperature conditions during transport, the company says. (Onset Computer Corp., (800) 564-4377, [www.onsetcomp.com/hobo](http://www.onsetcomp.com/hobo))

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**Now available here:** Strategic Systems & Technology Corp. (dba Microlise America) is now the U.S. reseller for the Britain-based Microlise Fleet & Distribution and Microlise RFID Systems suites of products. Strategic Systems & Technology of Coral Springs, Fla., is an integrator of bar-code data collection and mobile computing systems, offering comprehensive hardware, software and service. The Microlise Fleet & Distribution modular portfolio manages goods in transit and the vehicles and drivers used to transport them. The software optimizes delivery schedule adherence, maximizes use of assets, reduces fuel consumption, improves driver performance and provides accurate real-time proof of delivery and collection. In addition to providing sales and pre-sales consulting to clients, Microlise America will supply the in-cab mobile data terminals and manage the implementation, configuration and first-line support of solutions delivered within the United States. (Microlise America, [www.microlise-america.com](http://www.microlise-america.com))

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**Kinder, gentler sortation:** FKI Logistex introduces the S-3000CB cross-belt sorter, which is designed to provide accurate, high-speed transportation and sortation of fragile items, hard-to-grip packages, and other products that present difficulties during traditional sortation. With individual motor-driven belted carriers, the S-3000CB features gentle, horizontal item discharge and induction to ensure precise positioning and orientation throughout the sortation process. Because of its horizontal induction and discharge, the S-3000CB accommodates a diverse mix of products and package types within an individual batch of sorted items.

S-3000CB sortation systems are suitable for use in a wide range of applications, from post and parcel to distribution and manufacturing. The S-3000CB's scalable design and sortation process can be tailored to any size facility and any type of product or package, the company says.

The cross-belt sorter offers many induction options, from multiple small items to longer, heavier items. It features the ability to sort heavy items to one side of a discharge and smaller, fragile items to the other. The unit was designed with a minimum of moving parts to reduce wear and increase system life. (FKI Logistex, (877) 935-4564, [www.fkilogistex.com](http://www.fkilogistex.com))

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**Picking on the go:** The EASYpick GoKart mobile picking cart from FKI Logistex provides a solution for the long and unproductive walks necessary to pick low-velocity items from distant break-pack picking areas. EASYpick GoKarts combine advanced pick-to-light components from FKI Logistex with wireless local area network capability and RF scanning in an ergonomic, user-friendly design. The units integrate seamlessly with installed networks and warehouse management systems, as well as the entire line of FKI Logistex EASYpick picking and putting software and equipment.

FKI offers GoKarts in customizable cart sizes and configurations, with the choice of chrome-finish or powder-coated framework. Shelves can be either angled or flat, and feature a typical weight capacity of 300 pounds per shelf, depending on wheels, suspension and cart length. EASYPick GoKarts are self-powered by a rechargeable 24-volt battery system. (FKI Logistex, (877) 9354564, [www.fkilogistex.com](http://www.fkilogistex.com))

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**Going mobile:** A new mobility solution that gives managers easy access to essential enterprise applications and communications capabilities as they roam throughout their workplace is now available through a joint project from **Symbol Technologies** and **Avaya Inc.** The solution, which combines the two companies' software, systems and devices, is suitable for retail, health-care, manufacturing and other environments where campus workers require mobile computers, scanners and other technologies combined with voice communications. The joint solution is designed to improve organizational productivity by giving workers a wireless mobile computer that delivers advanced levels of voice quality and can perform many activities that would otherwise require the use of several devices. (Symbol Technologies Inc., [www.symbol.com](http://www.symbol.com); [Avaya Inc., www.avaya.com](http://Avaya_Inc..www.avaya.com))

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**Remote control:** **Provia Software** has released ViaWare WMS 7.0, the latest version of its Warehouse Management System (WMS) and core component of the ViaWare supply chain execution suite. A key element of ViaWare WMS 7.0 is its underlying Service Oriented Architecture (SOA), which provides integrated business intelligence and personalization capabilities, and allows for extended breadth and depth of the WMS. With SOA, ViaWare WMS can easily be integrated into an existing IT and supply chain solution environment. SOA permits a user in one warehouse to view inventory levels in another. It also allows a manager at an off-site meeting to monitor and chart worker productivity remotely. (Provia Software, (877) PROVIA1, [www.provia.com](http://www.provia.com))

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**Up and away:** Stainless Steel Continuous Vertical Conveyors from **TKF** provide high-speed, up-and-down service with up to 40 loads a minute. Clean and safe, these vertical conveyors are said to be suitable for use in the packaging, food, pharmaceutical and cosmetics industries. TKF Stainless Steel Conveyors offer benefits like simple, low-maintenance design; a wide selection of standardized units from modular components; and fully automatic operation. These units are designed to accept a load horizontally, convey it vertically and discharge it horizontally, all in a continuous non-stop operation with loading and unloading in a Z pattern. Systems may be single direction or reversible, as required. Five standard models are available, with unit load capacities ranging from 5 to 4,000 pounds and vertical travel up to 80 feet. These vertical conveyors use chain speeds of 120 feet per minute. (TKF Inc., (513) 241-5910, [www.tkf.com](http://www.tkf.com))

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**Load 'em up:** **Hyster Co.** announces the availability of a new option, the Freighter's Special, on its W40Z Series walkie motorized forklift trucks. Designed to enhance maneuverability in confined spaces like trailers, the Freighter's Special option includes fork tips that are 2 inches shorter than standard fork tips and a bumper designed to provide a tighter right-angle turn for easier stacking. These features allow operators to load two additional pallets per trailer, the company says. (Hyster Co., (800) HYSTER-1, <http://go.hysterusa.com>)

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**Doing double duty:** **PSC Inc.** has bridged the data-collection generation gap between traditional bar codes and RFID by engineering both technologies into the Falcon 5500. This agile multi-use reader and mobile hybrid computer is designed to read both RFID tags and bar codes. Targeted to retail organizations, the new Falcon 5500 is EPC compliant and works to create a more efficient inventory management process that minimizes out-of-stock items. It can also help to increase inventory turns, improve order-fill rates, and reduce warehouse operating costs.

The Falcon 5500 reads by sweeping the device across merchandise to read RFID tags. Read rates of EPC Class 0 tags using the Falcon 5500 have been clocked at over 400 tags in less than 90 seconds with nearly 100-percent accuracy. In comparison, capturing this same inventory information using bar codes would take between 10 and 25 minutes. (PSC Inc., (800) 695-5700, [www.psc.com](http://www.psc.com))

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**Taxing work:** **Tailwind Management Systems** offers a new I.F.T.A. Fuel Tax software module designed to help transportation companies complete required fuel usage reports in compliance with the International Fuel Tax Agreement (IFTA). IFTA is an agreement among the 48 continental U.S. states and most Canadian provinces to simplify fuel tax reporting for motor carriers operating in more than one jurisdiction

The Fuel Tax module allows users to compile information on all dispatches (pickup and drop locations) and fuel purchases for the fleet, which are organized by unit number and fuel tax quarter. Users can also scroll through the dispatches and fuel purchases to organize them, and can insert or delete a location if needed. The Fuel Tax module will show the jurisdictional miles on the screen, enabling the user to export the information to a fuel tax program and print a report that can be used to fill out IFTA forms. (Tailwind Management Systems Inc., (866) 441-0441, [www.tailwindsys.com](http://www.tailwindsys.com))

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