

Plant Efficiency: Cost Cutters and Engineering Green

Cost-cutting continues to be a high priority in today's manufacturing environment, and the good news is that we're seeing an abundance of products that can help you save money while also going green. The examples here range from an energy-efficient

narrow beam SMT LED that saves space with its upside-down mounting, to an innovative front steer axle, with several design features that help reduce maintenance costs. And don't miss the full-length article on energy management, found online.

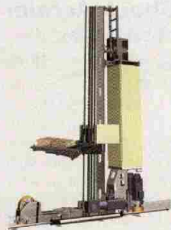
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Ducting Diverter improves energy efficiency

Standard-Duty Diverter exhausts air-only from industrial machinery while it is operating. It increases suction at all other points in system and reduces amount of heated or cooled air exhausted from work area, saving HVAC costs. Diverter can be manufactured from either galvanized or stainless steel. **Nordfab Ducting:** 800-532-0830



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Load Handler operates 4-deep

Delivering high throughput rates with reduced footprint, Twister Mini stores and retrieves cartons or totes up to 4 deep in AS/RS storage systems. It can handle cartons and totes of varying sizes, storing them within same aisle for most efficient storage space use. Twister is available in varied designs for application-specific needs. **Ermanno:** 231-798-4547. Tech Contact: Dave VandeKopple

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Heavy-Duty Wall Case for safety equipment

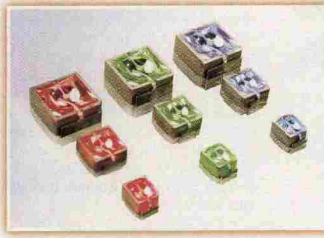
Hi-Viz wall cases are totally recyclable and are available in 3 models. Heavy-duty emergency respirator case is designed to hold up to two 5 or 10 min EBA's and protect equipment from dust, moisture, and plant environments. Unit measures 14 x 21 x 10 in. and weighs 10 lb, so case can be corner mounted. SCBA wall cases provide protection from dust, moisture, and damaging plant environments. Offered in single unit or dual unit models, cases are rugged yet light weight for simple, fast installation. **Allegro Industries:** 800-622-3530



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Narrow Beam SMT LED saves up to 50% in costs/real estate

Mounted upside down, RoHS-compliant QuasarBrite shines directly into internal parabolic reflector for high-intensity brightness without external optics. Reflector produces high-intensity light to 100 cd at a view angle of ± 6 deg from standard LED with energy consumption of 75 mW or less. With 93% reduction in beam angle, technology is suitable for medical device, security, sensor, and visible lighting applications that require concentrated, high-intensity light. **Lumex, Inc.:** 800-278-5666



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LED Bar is RoHS compliant

Rigid Alumiline Series offers efficiency with high brightness in lengths to 48 in., operating at 24 Vdc. Metal backing provides thermal protection and maintains rigidity for ease of installation. With low 6 mm profile and clear coat for moisture resistance, Alumiline is available in 3 different white options plus red, green, blue, amber, and yellow, all with 120 deg illumination angle. **JKL Components Corp.:** 800-421-7244



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Front Steer Axle integrates components; saves weight

STEERTEK features unique design that saves up to 27 lb compared to traditional I-beam axles and provides outstanding ride and stability. Axle's rigid, box-shaped cross section resists horizontal, vertical and twisting forces more effectively than traditional I-beams. Patented 2-piece knuckle assembly simplifies kingpin bushing serviceability. In addition, integrated steering arm and tie rod attachments increase strength and further reduce weight, providing greater durability and helping to reduce maintenance costs. **Hendrickson Truck Suspension Systems:** 330-489-0050



STEERTEK

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How To: Energy Management System Helps Companies Go Green

A new energy and resource monitoring/control system enables small commercial and residential customers to easily view and reduce their energy consumption – and thus their utility bills and carbon footprint – in real-time. Controlled through a simple-to-install wireless touch panel or web interface, EcoView helps users understand and track how they are consuming resources, potentially saving up to 20% in energy costs. EcoView Commercial monitors a location's entire electrical load in real-time and extracts the majority of customer savings through the largest discretionary source of demand – the climate control (HVAC) system. Because it acts on the climate control system as a whole, customers can monitor and manage both electricity and natural gas consumption. With additional sensors for water consumption and virtually any other energy-consuming device, the system operates as an easily customizable, all-in-one tool for identifying sources of resource waste at any given time. **Advanced Telemetry, LLC:** 858-549-1083



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