

PIT & QUARRY

AN ADANSTAR PUBLICATION

EQUIPMENT ■ OPERATIONS ■ SOLUTIONS

**Efficient idlers mean smooth rolling
for conveyors and stackers at
Keystone Quarry's new plant**

Turning on a dime

*****AUTO** 3-DIGIT 420
 P&Q 4037586 AD S729
 GENE CASTELLANO MARKETING MANAGER
 ARCH ENVIRONMENTAL EQUIP
 PO BOX 1760
 PADUCAH KY 42002-1760

Equipment Showcase

YOUR PRODUCTIVITY MARKETPLACE



Maximum uptime

John Deere's new 57-metric-ton 600C LC and 75-metric-ton 800C excavators can move a lot of earth, and the company says they do it with exceptional smoothness, durability and maximum uptime. Engineered to deliver superior durability, the 600C LC and 800C are the two largest machines in Deere's C-Series line of excavators. At the heart of these two machines is a turbocharged, charge-air cooled 15.7-liter Isuzu BB-6WGIT engine with four valves per cylinder to provide improved efficiency.

John Deere, 800-503-3373,
www.deere.com/ind



Right on track

Arch Environmental Equipment Inc. offers a patented concave arrangement of three idler rolls on a center pivot that can keep conveyor belts on track. The Arch Tri-Return Training Idler is the only trainer on the market with this patented design, according to the company. Unlike conventional trainers with a single idler roll, the Tri-Return design incorporates

Product Highlight

Screen suspension

Having the highest capacity in the industry, Rosta AB oscillating mounts from **Lovejoy** replace shaker screen coil springs for substantial reduction in cost of ownership. Rosta AB oscillating mounts typically last five to 10 times longer than conventional coil spring suspensions, according to the company, and are resistant to corrosion and wear from aggregate particulate. They reduce unwanted movements more efficiently by absorbing vibration and reducing wear on the entire shaker screen.

Lovejoy Inc., 630-852-0500, www.lovejoy-inc.com



three idler rolls, meaning the belt is supported by six bearings versus two as found in a standard single flat roll.

Arch Environmental Equipment Inc.,
800-553-4567

Rock-on-rock

The Sidewinder Series secondary crushing and screening plants manufactured by Wooster, Ohio-based **Irock Crushers** feature an increased feed angle to the on-board impact crusher to boost feed velocity. The increased velocity promotes

more rock-on-rock crushing, lowering wear costs and improving crushing efficiency. Three closed circuit plants make up the product line — Sidewinder 4043, Sidewinder 4056 and Sidewinder 5060 — which offer production capacities ranging from 250 to 500 tph.

Irock Crushers, 800-334-7625,
www.irockcrushers.com

Handbook CD-ROM

The Handbook Of Crushing, 2002 edition, is available for free on a new CD-ROM

Product Highlight

Up to the task

Loaded with standard features that are added options on most other vehicles, the **Polaris** Professional Series 2x4, 4x4 and 6x6 Utility Task Vehicles (UTVs) quickly, smoothly and safely move workers and cargo around any work environment. The 4x4 and 6x6 are equipped with a four-valve, four-stroke, liquid-cooled Polaris 500cc engine and the 2x4 features the Polaris 425cc engine. Low/super-low transmission gearing and on-demand true four-wheel drive team to provide unbeatable traction across even the toughest terrain, the company says. **Polaris Industries Inc.**, 612-342-4321

