



Top 25 Rollouts of 2009

How we made our choices

When we ask readers how we can best help them keep track of changes in the products and services they use to produce aggregates, almost everyone wants an annual short list of the really important stuff.

No wonder. The sheer volume of introductions is overwhelming. *Aggregates Manager* covers hundreds of products each year in its RollOuts departments and Supply Lines features.

So each year, our staff reviews all the product introductions we've covered for the past year (our Top RollOuts "year" actually runs from the December 2008 issue through the November 2009 issue) to pick out 25 that we believe are worth further review. Our priorities are new concept products — which are rare — new series/new generation products in categories that relate to the aggregates industry, and other rollouts which serve our readers' interests by increasing competition in a product category.

Inevitably, we omit deserving products, either because we just didn't understand the significance of the product or because the announcing company didn't communicate what was special about the product, or both. In either case, we apologize in advance for these omissions.

In a tough market, manufacturers respond with product introductions that offer streamlined features, greater efficiency, and better economy.

by Kerry Clines, Senior Editor, and Therese Dunphy, Editor-in-Chief

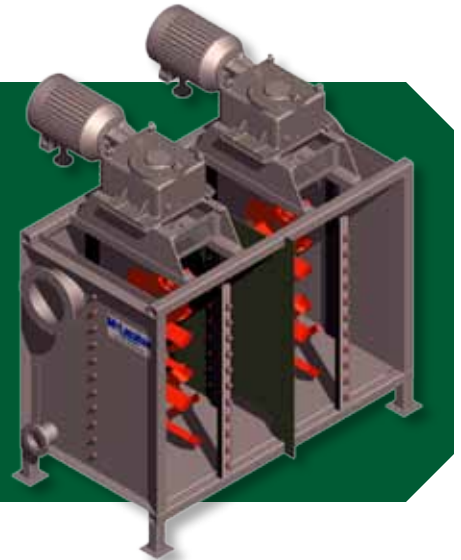
SAND PROCESSING

MCLANAHAN

High shear, natural attrition

McLanahan Corp. says its "ultra-clean" attrition scrubber uses radial and axial turbines to create high shear and natural attrition to address sand equivalency and durability problems in natural construction sands, as well as for surface cleaning of mineral sands and in soils washing applications.

Write 235 on reader card.



LOADER TIRE



MICHELIN

Increased productivity

Michelin says its XHA2 loader tire features additional rubber in the tread to make the tire more damage resistant, sidewalls strengthened with a special protective rib and anti-scrape shield, and crack-absorbing rubber compounds to help prevent flats. The tire is said to last 9 percent longer than its predecessor.

Write 245 on reader card.

POWER SYSTEM

POWERSCREEN

Choose diesel or electric power

Powerscreen's dual power screen gives users an option of diesel or electric power to help avoid high fuel costs and address environmental concerns about diesel emissions. Once positioned on site, the unit can be switched to operate on electricity. The track screen retains all the benefits of a mobile machine.

Write 236 on reader card.



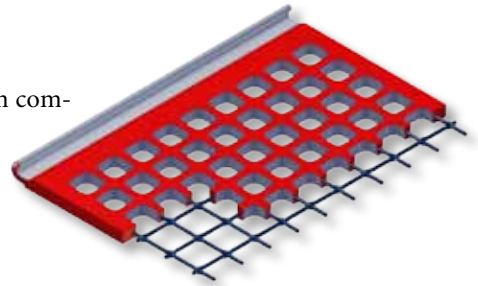
SCREENS AND SCREEN MEDIA

DUREX/LINATEX

Wear-resistant media

Durex Products, a division of Linatex Corp. of America, says its Armor Screen combines wire cloth with a molded coating of polyurethane. The polyurethane coating provides relief-tapered openings to increase throughput and reduce plugging; the woven wire backbone creates a wear-resistant liner.

Write 221 on reader card.



ASTEC MOBILE SCREENS

Mobile, versatile screen

Astec Mobile Screens says its new Multi-Frequency Screen allows for flexible sorting diameters and frequencies. The screen integrates conventional and high-frequency screen movements, applying more amplitude and less frequency for coarse materials, and less amplitude and more frequency for finer materials.

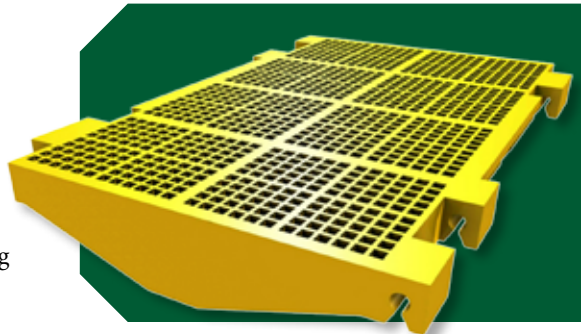
Write 226 on reader card.

METSO

Easy panel changes

Metso says its new LS HiPer Flow screen panels are made of high-quality, open-cast polyurethane and offer up to 30 percent more effective open area for increased throughput. The panels are lightweight and self-supporting for easier panel changes and attach to existing competitive modular screen decks.

Write 231 on reader card.



W.S. TYLER

Customized screen deck

W.S. Tyler says its new TAGG Screen is the first vibrating screen designed specifically to meet the screening demands of the aggregates industry. The screen offers tailor-made deck configurations and a choice of wire or polyurethane cloth, with delivery in five days.

Write 240 on reader card.

GRUSHERS AND COMPONENTS

COLUMBIA STEEL

Anti-slab jaws

Columbia Steel Casting Co., Inc.'s new anti-slab jaws are based on traditional and high-tooth jaw designs, but with additional raised slab breakers in pitch with conventionally located teeth. Jaws are available in standard manganese steel alloy and in Xtralloy premium manganese.

Write 230 on reader card.



SANDVIK

Small, powerful crusher

Sandvik says its new CJ208 jaw crusher offers a combination of lightweight equipment and heavy-duty crushing applications, and is easy to operate and maintain. The crusher's bolted feet allow it to be used as a stationary unit with zero-degree inclination or as a mobile unit with five-degree inclination.

Write 238 on reader card.



MOBILE EQUIPMENT

JOHN DEERE

New wheeled excavator

John Deere has rolled out the 51,368-pound 220D wheeled excavator. The new 159-horsepower, Tier 3 excavator features wide axles and additional weight for more stability and lift capacity. Its digging depth is 20 feet, 8 inches.

Write 222 on reader card.



CATERPILLAR

Proven performance for new mining trucks

Caterpillar says its new F-Series mining trucks with C175 16-cylinder diesel engines meet U.S. EPA Tier 2 emissions standards. The 793F mechanical drive truck boasts a faster speed on grade for 5 to 10 percent more productivity than the 793D. The cab features enhanced ergonomics and easy-to-access controls.

Write 223 on reader card.

KAWASAKI

Purpose-built takes on an additional size class

Kawasaki's 92ZV-2 wheel loader features dual Z-linkage for high breakout force, heavy center pins, rubber gasket-sealed front glass, and extended bumpers to protect battery boxes. Cab features include an adjustable declutch and dual-boom kickout control, idle management system, and dual-mode engine switch.

Write 232 on reader card.



KOMATSU

Dozer for mining, heavy construction

Komatsu America Corp. says its new D375A-6 crawler dozer is powered by a Komatsu SAA6D170E-5 engine with an operating weight of 157,940 pounds. Features include a net engine output increase to 636 horsepower, a large multi-lingual LCD color multi-monitor, and an easy-to-read "eco gauge."

Write 242 on reader card.



VOLVO

Heavy-lifting stability

Volvo Construction Equipment North America, Inc. says its new EW230C wheeled excavator's design ensures that the rear axle weight, when fitted with the standard counterweight, is below 12 tons. Access to the superstructure via steps allows easy servicing/maintenance. Ninety-five percent of the machine is recyclable, according to the company.

Write 237 on reader card.



PORTABLE PLANTS

KPI-JCI

Affordable wheel-mounted machines

KPI-JCI says its new RS Series products — jaw and cone crushers, mobile screens, and washing equipment — are designed for portability and simple operation to provide customers with a variety of options at an affordable price without sacrificing toughness and durability.

Write 224 on reader card.



Sandvik

Track-mounted mobile crusher

Sandvik's new QJ340 track-mounted mobile jaw crusher, formerly Fintec's F1107 mobile jaw crusher, is powered by a C-9 engine that meets all known emissions standards. The unit boasts a large feed opening and high crushing speed for high outputs and excellent product size reduction. A reverse crushing action relieves blockages.

Write 228 on reader card.



DRILLING AND BLASTING



ATLAS COPCO

Remote-controlled drill rig

Atlas Copco's new ROC D3-01 drill rig with built-in, radio-remote-control system is powered by a 116 kW Cummins engine and offers two rock drill options — the 12 kW COP 1240 and the 16 kW COP 1640. The rig can be equipped with R32, T38, and T45 drill steels.

Write 225 on reader card.



DYNO NOBEL

Electronic blast initiation system

Dyno Nobel says its new DigiShot electronic initiation system provides more vibration control, increased crusher throughput, greater highwall stability, and improved operational efficiencies. Blast patterns and timing can be programmed directly or downloaded from a PC-based design program in advance of or on the day of the shot.

Write 233 on reader card.

TECHNOLOGY



VISTA TRAINING

Wheel loader simulator

Vista Training's interactive, PC-based training simulator for wheel loader operators puts raw trainees or experienced operators at the controls of a modern wheel loader in a virtual quarry. The Wheel Loader Personal Simulator offers eight lessons of increasing difficulty. Commercial software licenses start at \$6,000.

Write 244 on reader card.

CONVEYORS AND ACCESSORIES

GRASAN

Railcar unloading system

Grasan's bulk material unloading system for railroad hopper cars consists of a 140-foot stationary transfer conveyor with under-car feed hopper and 125-foot radial stacking conveyor. Stationary truss and channel frame conveyors are 24 to 60 inches wide, 25 to 500 feet long; radial stacking conveyors are 24 to 48 inches wide, up to 125 feet long.

Write 229 on reader card.



SUPERIOR

Efficient loading/unloading

Superior Industries' new Slide-Pac three-unit conveyor system has a roll-style slide-off system for safe, speedy unloading of the top two conveyors from the bottom trailer unit. The system is available in lengths of 60, 70, and 80 feet for up to 240 feet of conveyor length.

Write 239 on reader card.



MARTIN ENGINEERING

Skirting extends wear life of belts

Martin Engineering says its improved Apron Seal skirtboard sealing system provides two wear surfaces on a single elastomer sealing strip installed along the bottom of the skirtboard in a belt conveyor loading zone. When the bottom side of the strip is worn, the sealing strip is inverted, providing a second service life.

Write 234 on reader card.



FLEXCO

Next generation belt cleaner

Flexco says its new MHS Cartridge Cleaner slides out from one side of the conveyor or chute wall, allowing a single worker to inspect, service, or replace it in minutes. The side slide-out design doesn't require workers to crawl underneath the conveyor or be in tight spaces within a chute.

Write 227 on reader card.



BRIEFING BOX

| COMPANY | READER NUMBER |
|--------------------------------------------------------|---------------|
| Astec Mobile Screens | 226 |
| Atlas Copco | 225 |
| BedRock Software, LLC | 241 |
| Caterpillar | 223 |
| Columbia Steel Casting Co., Inc. | 230 |
| Durex Products, a division of Linatex Corp. of America | 221 |
| Dyno Nobel | 233 |
| Flexco | 227 |
| FLSmidth Excel LLC | 243 |
| Grasan | 229 |
| John Deere | 222 |
| Kawasaki | 232 |
| Komatsu America Corp. | 242 |
| KPI-JCI | 224 |
| Martin Engineering | 234 |
| McLanahan Corp. | 235 |
| Metso | 231 |
| Michelin | 245 |
| Powerscreen | 236 |
| Sandvik | 228, 238 |
| Superior Industries | 239 |
| Vista Training | 244 |
| Volvo Construction Equipment North America, Inc. | 237 |
| W.S. Tyler | 240 |

AUTOMATION

BEDROCK SOFTWARE

Mobile equipment simulation-capable software

BedRock Software, LLC says its new AggFlow with track-mounted (mobile) equipment simulation capability allows users to calculate mass aggregate and water balances flowing through a plant simulation using stationary and mobile equipment. The program helps track and reduce emissions and fuel consumption by refining overall plant efficiency.

Write 241 on reader card.

FLSMIDTH EXCEL

Affordable, aftermarket hydraulic system

FLSmidth Excel LLC says its new Sentinel Advanced Hydraulic System is an affordable, aftermarket solution for aggregate producers who want to automate their cone crusher's clearing capabilities without the purchase of a new crusher. The system's tramp release cylinders require little or no modification to the existing cone frame during installation.

Write 243 on reader card.