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Bobcat 425 ZTS Excavator

Contractors needing a zero-tail-swing (ZTS) excavator in the 2- to 3-metric ton size class now have a new option with the 425 compact excavator from Bobcat Co. And for those needing added dig depth and reach, a long-arm configuration of the 425 is also available. The new excavator builds on the 430, 435 and 442 ZTS models. The 425 standard-arm excavator delivers a maximum digging depth of 8 ft, 4 in.



and a reach of 14 ft, 10 in. at ground level. The 425 long-arm option has a maximum digging depth of 9 ft, 4 in. and a reach of 15 ft, 9 in. at ground level for even greater spoil placement. Both models are powered by a 26-hp liquid-cooled diesel engine and feature two-speed travel motors.

Gehl's 383Z Excavator

Gehl Co. introduces an addition to its product line — a 3-ton model 383Z zero-tail-swing compact excavator. The new 383Z excavator features zero-tail-swing maneuverability, which allows the machine's superstructure to rotate entirely



within the tracks. The 383Z excavator can operate close to walls and obstructions without risk of contact. Weighing only 7,826 lbs with a canopy and 8,002 lbs with a cab, the 383Z excavator boasts a design that enhances both operator space and serviceability. The size of the operator's compartment is maximized by mounting the 29-hp Yanmar diesel engine on the side of the machine and the hydraulic and fuel tanks on the rear, providing added space and legroom.

HammerHead PortaBurst Lightning Lateral Replacement

HammerHead introduces the PortaBurst Lightning lateral replacement system. The PortaBurst Lightning is 30 percent lighter than its predecessor and packs an impressive 30 tons of pulling force in a smaller package.

The PortaBurst Lightning is one of the most reliable and lightweight lateral replacement systems on the market. Large excavations are a thing of the past; the PortaBurst Lightning requires only an excavation of 24 in. by 30 in. A small footprint means bursting with the PortaBurst Lightning spares your customer the surface disruption usually associated with lateral replacement.



Dewatering Pumps from ITT Flygt

ITT Flygt introduces its latest generation of dewatering pumps. Designated the 2600 series, the new dewatering pump line includes six models — 2610, 2620, 2630, 2640, 2660 and 2670 — with output from 1.2 to 27 hp. The six pumps cover almost any dewatering application



at worksites of all sizes, including construction sites, mines, quarries and other harsh environments. The new pumps come with discharges from 2- to 6-in. NPT and provide hydraulic performance from 150 to 1,400 gpm and heads from 40 to 230 ft.

The pumps feature innovative hydraulics, fewer components, new materials and a practical, ergonomic design. The patented DuraSpin hydraulic system and newly designed impeller improves wear resistance and sustains performance over time.

JLG's Elevating Mast Platform

Preliminary details of an all-new elevating mast aerial work platform have been released by JLG Industries Inc. The Model 1230ES is an addition to JLG's family of Pro-Fit electric-powered aerial work platforms, featuring the synergism of its electric drive system combined with a multiphase hydraulic cylinder to elevate the mast platform.

The technology provides an electric powered aerial work platform with the capability of quickly lifting workers for all





types of interior work. Field tests of the 1230ES are underway in Europe and North America; and responses to date have been so encouraging that production is planned so the product will be available in the second quarter of 2007.

Auger Boring with McLaughlin

McLaughlin introduces the McL-48/54 auger boring machine, capable of cased bores in diameters up to 60 in. A new quick-connect split-design feature enables machine



components to individually be moved in and out of the trench, reducing required lifting capacity and making it easier to position the machine. This powerful boring machine develops a massive 950,000 lbs of forward thrust at 5,000 psi and 170,000 ft-lbs auger torque in first gear. The power train includes an air-cooled 6-cylinder turbocharged diesel engine that develops 162 hp at 2,500 rpm, hydraulic clutch, five-speed transmission with reverse and planetary reduction final drive to the 4-in. hex chuck.

Micro-Blaster II Rock Breaker

The ezebreak Micro-Blaster II is a safe and economical system for the breaking of rock and concrete. Based on propellant technology, special blasting licenses are not required. The small size of the system allows it to be used in almost any location. Capable of breaking rock or concrete of almost any size by successive blasts, the Micro-Blaster produces almost no fly-rock, which can be completely eliminated with the use of light mats.

Requiring only 5/16-in. diameter holes, the system allows the use of inexpensive drilling equipment. The durable molded case contains the Micro-Blaster II, a bore brush and bulb blower (for cleaning drilled holes), two tapered pins (for wedging apart cracked material), a CO2 bicycle inflator (triggers system) and instructions. A larger system capable of cracking up to 6,000 lbs of rock per shot, the Micro-Blaster II-X3, is also available containing three breaking heads and manifold/valve assembly for larger projects.



i5000 Utility Locating System

Using superior design and powerful software, the i5000 offers several new performance features, establishing it as the new standard for locating systems in the underground utili-



ty locating industry. The core of the i5000 is the ergonomically designed handheld receiver. Designed for comfort, the lightweight receiver is balanced for all day use. The receiver's bright color display is complete with intuitive, easily read graphics that can be viewed in all lighting conditions.

Bluetooth wireless communication facilitates the transfer of locating data collected and stored in the receiver's internal memory to a Web-based data warehouse. Valuable additional information can be easily synchronized between the receiver and

database, including one-call tickets and digital photos of the worksite.

Schweitzer Engineering Motor Protection Relay

Schweitzer Engineering Laboratories Inc. (SEL) introduces the SEL-710 Motor Protection Relay that features the industry's most accurate motor protection together with settings, mounting and communications options designed for easy application. The SEL-710 with the AccuTrack Thermal Model determines the longest starting time, with no need for a speed switch, and reduces wait time between motor starts up to 33 percent.



The SEL-710's small footprint and flexible mounting options allow easy retrofit without cutting or drilling. The user-configurable front panel gives users flexibility for custom messages, alarms and push-button actions. Its flexible system of slide-in I/O and communications cards delivers up to eight communications protocols, including Ethernet, Modbus and DeviceNet.

Titan Equipment Monitoring System from DPL America

DPL America, a leading designer and manufacturer of advanced wireless and GPS products for the construction industry, introduces the Titan Equipment Monitoring System. The Titan is a complete tool for equipment owners to increase asset productivity and profitability while decreasing the costs and risk of equipment theft.



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The Titan empowers the equipment owner to remotely shut down their machines, wirelessly locate them any time via GPS, collect hour meter readings and track hour-based service intervals. New productivity reports detail run time, idle time, roll time and load counts on certain machines. Up-to-the-minute, automatic reporting delivers a real time view of the fleet's location and individual statuses for faster decision making. Real-time notifications are also delivered to the equipment owner indicating unauthorized use, service due, inactivity, low battery power or a threatening health condition on the machine.

Grundex Water and Slurry Pump from TT Technologies

TT Technologies is introducing an improved version of its Grundex water and slurry pump. The Grundex serves as a quick way to keep trenches and manholes free



of ground water and slurry, improving the efficiency of any underground project. Weighing only 8 lbs, the Grundex pumps up to 6 gpm. The cost-effective pump operates from a standard air compress-

or, requiring only 38 cu ft of air per minute, eliminating the need for a generator. The air hose is securely connected to the universal claw coupling of the pump.

The Grundex also features a 10-ft, spiral-wound, easy-to-hold discharge hose that connects to the pump with a cam and groove coupling. The pump's main body narrows at the top, enabling the flexible hose to be led directly out of the trench or manhole.

Vermeer's RT1250 Trencher/Plow

Vermeer Mfg. Co. introduces its new hydrostatic RT1250 trencher/plow, offering the highest horsepower in its class and an improved drive system for its rock wheel attachment. The RT1250 can be used for various trenching applications from rural water line installations to utility installations along railroads. A 120-hp Cummins QSB3.9TAA turbocharged and charged air cooled engine has a more aggressive torque curve, which accounts for a 5-hp power bulge. The power bulge allows the RT1250 to run at its maximum horsepower while the machine is in work mode.

The RT1250 has the capability of



trenching depths up to 72 in. and widths up to 18 in. With its tight turn radius, the RT1250 can maneuver in confined work spaces. The RT1250 also features automotive-style steering, a servo-controlled ground drive system and standard planetary axles.

Volvo's F-Series Wheel Loaders

Volvo introduces its new F-Series wheel loaders for 2007. The F-Series wheel loaders, the L60F, L70F and L90F, are all designed with new



Tier-3 Volvo engines that offer more horsepower with lower fuel consumption. In addition to a new transmission for smooth shifting and fast response, the new loaders also feature new cabs with more room, improved ergonomics and better visibility.

The three new machines range in operating weight from 24,250 to 37,700 lbs. Net horsepower increased on all three machines at 153 hp (L60F) 168 hp (L70F) and 172 hp (L90), in addition to breakout forces from ranging from 18,640 to 25,560 lbf. Volvo's F-Series models will begin shipping from the company's Asheville, N.C., factory in March 2007.

Wacker's Gas Breakers

Wacker introduces a new generation of breakers that produce more power and reduce hand/arm vibration (HAV). The BH 24 offers a complete package to contractors looking for a high performance breaker plus the convenience of a gasoline engine.

The optimized percussion system on Wacker's BH 24 is more

productive, but less abusive to the operator. The piston and striker have a reconfigured shape that reduces the weight and increases the velocity to make for a harder hitting breaker. **UC**

