

American Augers

The standard DD-9014 offers the best design in mid-size HDD engineering, as this unit will excel with:



Caterpillar 230 hp C-6.6 Tier III Diesel Engine, 90,000 pounds of maximum thrust/pullback, rack and pinion, 4-pinon carriage drive

with adjustable force limiter, and 13,600 foot-pounds of maximum rotary torque, which allows the machine to turn larger size reamers in long distance bores. Other features include, an on-board triplex mud pump, mechanized pipe loading system with a working capacity of 360 feet of on-board pipe, removable pipe baskets hold 9 pieces of pipe (each), independent hydraulic circuits for thrust/pullback, torque, and mud flow, automatic mud shut off and blow down valve, and 200 gpm of mud flow. The drill rig is equipped with a climate controlled operators cabin with both air condition and heat options. The microprocessor control console features an ergonomically designed joystick, mud pressure gauge, digital mud flow meter and rotary tachometer and pressure control for rotary and thrust. The DD-9014 operates with rear thrust stabilizers, is I-beam circular post hold down capable, and utilizes an ES!Lok exit side lock out control, Zap-Alert system, and has a QUIET PAK noise reduction unit. (800) 324-4930, americanaugers.com

PRO-TEC Equipment

A new, ultra lightweight aluminum shielding system that is pick-up truck trans-



portable, is assembled by hand, and has a unique, in-the-pit panel rotating capability is available from PRO-TEC Equipment. Called the FLASH (Flexible Lightweight Aluminum Shielding) system, it is ideal for use in maintaining, repairing, and rehabilitating underground pipe in congested areas where other utility lines are present. Available in 2-, 3- and 4-sided models, FLASH is typically assembled above ground by one or two people in about 20 minutes. The entire shield can be placed in an excavation using a small excavator or backhoe loader. Individual panels can be rotated under existing utility lines from above ground using a long panel release tool. Panels are made of lightweight honeycombed aluminum in sizes ranging from 6 inches high by 4 feet long to 2 feet high by 8 feet long. Corner posts are adjustable to provide leveling capability. Pin-on lifting lugs facilitate handling. (800) 292-1225, pro-tecequipment.com

ADS LLC



The new ADS Spider is an easy-to-use, place-anywhere, data logging and alarm monitoring system for broad application including water and sewer pumping stations, CSOs and stormwater monitoring. It has an optional battery pack, remote data access and customer-driven notification specifications. The ADS Spider is a stand-alone, compact, single-box system that requires no user software. It operates from a sophisticated Web server built-in to the monitor. (256) 430-6261, adsenv.com/spider

Spectroline



defects, contamination and surface flaws in confined places that are inaccessible to larger lamps. The C-100PA features a 100-watt, mercury vapor spot bulb with a nominal steady-state long-wave UV-A in-

tensity of 5,000 $\mu\text{W}/\text{cm}^2$ at 15 inches. The lamp's visible light emission is less than two foot-candles, and it easily meets MIL and ASTM specs for FPI and MPI. The bulb has an average rated life of 5,000 hours. The C-100PA lamp has a lightweight, comfortable, stay-cool pistol grip, which provides hours of fatigue-free use. The heat-resistant filter holder reduces filter movement, thus lowering the risk of breakage and visible light leakage. The C-100PA has 8-foot primary and 8-foot secondary cords. (800) 274-8888, spectroline.com

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Case

The new Case E Series Wheel Loaders – the 721E, 721E/XT and 821E – feature a new cab for enhanced operator comfort, Tier III-certified Case power and best-in-class maintainability and serviceability. The cab environment can be matched to the operator's size and preferences, with a tilt steer-

ing only 7 x 9.5 inches. This makes it easy for NDT inspectors to check for cracks,

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Kubota

The KX080-3 excavator comes equipped with an energy saving and fuel efficient



64-hp Kubota diesel direct injected engine that provides power, easy starts and low sound levels. Factory installed standard features include: breakout force of 14,660 pounds, 3-pump load sensing system, auto idling system, tight tail swing design, OSHA approved ROPS/FOBS cab, triple open covers, electric fuel refilling pump, angle track frame, dual auxiliary hydraulic ports, adjustable oil flow to SP1 fine tunes, air conditioned cab, and travel motors that automatically downshift when loaded. kubota.com

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New Products

ing column, infinitely adjustable seat, arm rests and control placement. The cab also features numerous air diffusers to provide maximum air circulation for faster, more thorough heating and cooling. The ISO-mounted cab is among the quietest in the industry. The operator has a clear, direct view to the front tires and to the bucket edge. The standard single-lever loader control and forward-neutral-reverse joystick with transmission downshift button puts all the controls at the operator's fingertips. A digital display records real-time data, shows diagnostic information and allows programming of operational modes. The new Case E Series Wheel Loaders are powered by fully electronic 6.7-liter Tier III-certified Case engines that allow operators to match power and fuel economy to their application. They can choose between three power curves – max, standard and economy power – and four work modes – max, standard, economy and auto. The only tool required for service checks is a rag to wipe oil off the dipstick. The electrically actuated rear

hood provides easy access to the engine and all daily maintenance checkpoints. Three remote drains for coolant and engine and hydraulic oil provide convenient access for fast, environmentally friendly fluid changes. Operating weights for the three models are 30,644 pounds, 31,574 pounds and 37,844 pounds, while bucket capacities are 3.01 yd.³, 3.0 yd.³, and 3.78 yd.³, respectively. (262) 636-6011, caseco.com

Ditch Witch

The Aggressive Talon Rock Bit is a multi-use bit manufactured for horizontal directional drilling applications in a variety of soil conditions, including sandstone, shale and chunk rock. The bit's original tapered head beacon housing has been replaced with a thread-on shank that will provide even greater reliability and durability in tough digging conditions. The Aggressive Talon Rock Bit features four replaceable carbide-tipped cutting teeth in front of the tool that enable it to operate more smoothly with



less drill pipe chatter than other multi-use bits. The angle of the cutting teeth enables it to more effectively carve into rock.

Carbide buttons in the abrasion-resistant, steel-bit body reduce wear when working in tough conditions. Compatible with the Ditch Witch JT2720, JT4020, and the new JT3020 HDD units, the Aggressive Talon Rock Bit soon will be available for use with the rest of the company's HDD line. (800) 654-6481, ditchwitch.com

Terex

Terex's seven hydraulic transverse cutting units feature transmissions with patented gear reduction technology designed for use with Terex excavators (4,400 to 132,000

Two New Skid Steers Designed to Save Time, Money

Two new models have been added to the John Deere Skid Steer family – the 313 and 315. With rated operating capacities of 1,300 and 1,500 pounds, these models feature 10 x 16.5 inch tires for traction and flotation, heavy-duty drive chains that never need adjusting, and best-in-class visibility provide safety while operating in tight spaces. Standard machine widths are 59 inches and, if desired, they can be reduced to 56 inches with 7 x 15 inch tires.

A key feature of the 313 and 315 is the radial lift boom. The bucket rests close to the machine when in the down position and swings forward for great reach in the "work zone" 4-5 foot range. Cushioned bucket and lift cylinders provide smooth deceleration at the end of the boom

lower position, also cushioning the bucket when curling and dumping a load. This feature provides less noise and reduced material spillage in any operation.

Industry-leading 60-40 weight distribution provides great balance of power and maneuverability, while 360-degree visibility offers uninterrupted views to the sides, both above and below the lift arms, so the operator can see the tires and ground around the machine with the boom in the rest position. And, the low sloped rear hood provides unmatched rear visibility, even on a radial lift-style machine.

Both machines are equipped with a John Deere PowerTech 4024T four-cylinder 2.4-liter engine rated at 2,400 rpm for smooth operation,

low noise and maximum fuel efficiency. The engine provides massive torque and torque-rise performance for superior engine-lugging capability while working heavy loads. Automatic shut-down control is standard to prevent overheating or running low on fluids. Also standard are auto-preheat, job clock and low fuel warning features.

The operator station has a wide opening makes it easy to enter and exit. Standard features include a high-back ergonomic and adjustable seat with arm rests. The monitor includes an anti-theft system and backlit gauges, switches and LED warning lights. Also included are a digital hour meter, glove-friendly rocker switches and a large LCD panel for easy viewing. The optional power Quik-Tatch system provides effortless attachment engagement-disengagement from the operator's seat at the push of a button. (309) 765-8000, johndeere.com



pounds) and with Terex tractor loader backhoes for excavation, scaling and demolition work. The models are designed with heavy-



duty spur gears and bearings, powered by a low-speed, high-torque hydraulic drive motor ranging from 24 hp to 190 hp and a hydraulic flow ranging from 8 gpm to 158 gpm. The transmissions feature patented gear reduction that boost cutting power. All models offer a choice of hydraulic motors, ensuring a flexible adjustment to individual carrier and operating conditions. Three standard cutting heads are available: excavation, scaling and demolition.

The excavation drum is best suited for soft to medium-hard rock; the scaling drum is ideal for applications in soft to medium-hard rock where a precise or smooth surface is required; and the demolition drum works best in medium-hard to hard rock and concrete. (866) 837-3923, terex.com



Ritmo's New In-Field Machine

The RAM 28 is an electro-hydraulic butt fusion machine with fusion capabilities ranging from 2-inch IPS to 8-inch DIPS pipe sizes. Ritmo America has designed the machine for in-field fusion of HDPE pipe and fittings. The machine is provided with Ritmo's unique and innovative programming and control system – Easy-Life.

The program/control panel allows the operator to set the machine for heating temperature, facing pressure, heating time, soaking time, fusion pressure, fusion time and cooling time. The Easy-Life System incorporates a data-logging device, and can be connected to a PC or computer handbook to download all the fusion cycles information.

The machine body and clamping system can be easily removed from the 4-wheeled frame and chassis for in-ditch use; the Easy-Life program/control panel also can be removed from the chassis to allow the operator to control the fusion procedures out of the ditch.

Other features include a patented Quick-Click insert system that permits fast installation and removal of the pipe inserts. No "master inserts" are needed for smaller diameter pipe inserts to be installed. For operator safety, the machine-mounted electronic facer is equipped with a micro switch that prevents the facer from operating until it is properly placed between the pipe ends. (863) 679-8655, ritmoamerica.com