

## Cat's Purpose-Built Pipelayers Offer Unique Features

There are many advantages of buying and using purpose-built pipelayers. These advantages can make a huge difference in capacity and performance of the machines and profitability. Caterpillar Pipelayers are built from the ground up with specific job tasks in mind and are designed for the needs of pipeliners.



A purpose-built pipelayer has an undercarriage longer and wider than that of similarly sized dozers. A standard dozer is designed with a narrower gauge (the gauge of a tractor is the measure of center of the roller frame to the center of the other roller frame) best suited for the applications of a bulldozer where pipelayers have a wider gauge, which equates to greater side-to-side stability.

State-of-the-art draw works are also part of the dedicated pipelayer. Cat draw works are pilot operated and are closed loop hydrostatic to prevent accidental contamination and to keep them working better.

Safety is at the forefront of Caterpillar's core values, which is

Cat Pipelayers are built for low ground pressure and greater side-to-side stability. The track shoes are wider than a standard crawler tractor, thereby improving flotation, protecting the ROW and minimizing side tipping. A

why their pipelayers come standard with Roll Over Protection Structures (ROPS). Pipelayer ROPS are rated for the Gross Machine Weight of the pipelayer whereas with a conversion package it is possible that the addition of the counterweights, boom, and winches could put the converted machine over the capacity of OEM ROPS. Cat Pipelayers have a power train matched to pipelayer applications. Converted dozers have a weight to HP (KW) ratio that was not designed to handle the additional pipe loads needed for pipeline applications.

Cat Pipelayers have a longer roller frame than standard crawler tractors for improved stability and to withstand demanding pipelayer loads. A standard dozer has a shorter roller frame that does not provide the forward-aft tipping angles or the durability of purpose built machines. Also, bulldozer structures such as the case and frame, pivot shaft and hard bar were not designed for the extreme side-forces placed on them in pipelaying applications and are not as dependable as those on a purpose built pipelayer. Cat Pipelayers are intentionally built with heavy undercarriage components to withstand pipelayer side-carry loads.

Cat Pipelayers are 100 percent quality Caterpillar components with parts and product support anywhere in the world.



## John Deere Construction & Forestry

Ranging in size from three to five metric tons, the new John Deere 35D and 50D zero-tail-swing compact excavators provide reduced cycle times; better comfort with updated controls and cab; and lower operating costs with the introduction of auto-idle and longer oil change intervals. Increased productivity begins with faster operating speeds and more drawbar pull, which will increase productivity when transporting around the job site or back-filling. These features are combined with auto-idle to reduce fuel consumption. A new, long arm and heavy counterweight option provides an additional foot of dig depth and reach. Automatic shifting between high and low travel speeds allows the machine to automatically shift into low when more power is needed. The D-Series machines are powered by Yanmar large displacement, Tier II compliant engines with a higher torque curve than previous models. (800) 503-3373, [deere.com](http://deere.com)

## Grundodril 4X For Residential Applications

The compact Grundodril 4X is well suited for "last mile" and residential service installations, including conduit for power applications. The Grundodril 4X offers 9,800 pounds of thrust and pull-back. The drill features a dual hydrostatic pump system that gives the operator optimum control during drilling operations. The unique four-auger stake down system provides greater stability, helping maximize thrust and pullback power.

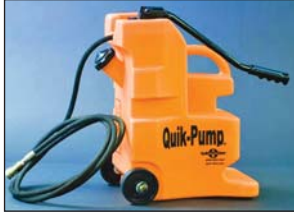
The lightweight unit can be transported on a trailer pulled by a one-ton truck and requires minimal crews to operate. The 4X's special steel track with bonded rubber pads offers excellent traction and durability while minimizing potential damage to concrete and turf, which is important in residential settings.

The Grundodril 4X also comes equipped with the exclusive Smart Vice system. The computerized Smart Vice system simplifies the drilling process by performing vice cycling operations automatically. It provides the operator with single push button control, improving efficiency and speeding up drill times. The vice is also self-centering, reducing wear and tear. (800) 533-2078, [ttechnologies.com](http://ttechnologies.com)



## Quik-Shor

Quik-Shor has a new-patented shoring pump that reduces the stroke count required to bring a shore to pressure by 60 to 80 percent over the old style of pumps in use today. Our 3-stage design both reduces the stroke count, but also the last stroke to get a shore to high pressure is as easy as the first stroke to fill the cylinder at no pressure. This new pump significantly enhances crew efficiency and productivity. Quik-Shor has developed a broad product line of steel trench boxes and aluminum hydraulic shoring products that have proven themselves in hundreds of thousands of uses throughout the world. (800) 493-7827, quik-shor.com



## ARNCO Corp.

ARNCO Corp. offers three models of the Reel-Master RM 3050 Series cable and duct reel trailer. The Reel-Master is available in three models in order to carry varying cargo

weights: RM 3050-35 (up to 3,500 pounds), RM 3050-60 (up to 6,000 pounds) and RM 3050-10 (up to 10,000 pounds). All models are designed to safely transport up to 120 inches in diameter and up to 65 inch-wide cable and duct reels, like those used in the deployment of optical fiber cables for FTTX builds and cable-in-conduit applications. Their galvanized frame is manufactured for corrosion protection and durability. The reel bar comes with brass bearing ends to provide low-friction rotation during payout. This is ideal for applications that use an air-assisted cable push system. (800) 321-7914, arnccorp.com

## VacAll Industries

The VacAll AT vacuum/hydro excavator includes a 35 gpm at 2,000 psi water pump with variable flow output



controlled by the operator; a 12-cubic-yard debris tank; a 1,500-gallon aluminum water tank; and a 5,000 cfm/16-inch Hg blower. The machine is capable of a 26-foot boom reach with an extension and has an infinitely adjustable boom speed. The front mounted boom is standard (optional rear mounted boom). Standard equipment includes a rear decant and cyclone separator designed to filter out particles ranging from 10 to 100 microns. The cyclone spins the air, slowing it down and allowing a steel funnel in the lower section to channel any carry over material into a dropout box below. The cyclone also has convenient clean-out doors on both top and bottom. Plus, a removable steel micro-strainer basket, in the final stage of the four-stage filtration system, provides absolute vacuum protection. (800)382-8302, vacallindustries.com



## ITT Flygt

The 2600 series dewatering pump line includes models 2610, 2620, 2630, 2640, 2660, and 2670 with output from 1.2 to 27 horsepower. The pumps come with discharges from 2-inch NPT through 6-inch NPT and provide hydraulic performance from 150-1,400 gpm

and heads from 40-230 feet. The patented DuraSpin hydraulic system and newly designed impeller improves wear resistance and sustains performance over time. The wear-resistant closed impellers are made from high-chrome cast iron. A single screw enables fast and easy adjustment for maximum pump performance. The junction box is easy to access and external oil and inspection plugs are standard. The inspection chamber provides early notification of any fluid buildup in case of a seal leakage, minimizing the risk of expensive repair work. The one-piece Plug-In seal incorporates two mechanical seals for double protection against liquid penetration. (203) 380-4700, flygtus.com

## Underground Tools Inc./UTI



UTI offers a comprehensive selection of premium quality directional drilling pipe coupled with exclusive DirtSmart technical service to get the best tools for the job. UTI's complete line of down-hole wear parts are manufactured for

most makes and models of mini and maxi drill rig sizes. UTI's inertia welded drill rod is forged of one-piece drill rod, S135 grade. (866) 488-DIRT, undergroundtools.com

## New Holland

A new cab design for Super Boom skid steer loaders (models L150 through L190) and compact track loaders (models C175, C185 and C190) feature increased space, visibility, operator comfort and ease of operation for greater work site efficiency. Key features include: contoured arm rests; interior, noise-absorbing trim; a large, convex glass door opens a full 90 degrees for easy entry and exit; see-through roof panel for a clear view to the bucket or attachment; and backlit sight-at-a-glance instrument panel features logical labeling for easy operation and is vertically mounted for better visibility. Operator controls are also vertically positioned to provide easier accessibility and avoid obstructing the view. The heater/defroster kit and optional air conditioning allows the operator to control the climate in any weather. On the enclosed cab, enhanced downward sight lines provide a better view to the loader bucket, into the trench and to the tracks on compact track loaders. The curved, full-view door features more glass. (630) 260-4000, newholland.com



## Vermeer MX240 Mixing System Offers Flexibility, Performance

Expanding its drilling-fluid supply systems for horizontal directional drilling (HDD) equipment, Vermeer Manufacturing has introduced the MX240 Modular Drilling Fluid Mixing System. The system is designed to provide fast, efficient high-volume mixing of drilling fluid for larger-diameter and long-distance HDD applications.

The system features either a 25-horsepower Kohler gas or 22-horsepower Hatz diesel engine and can support a 750-gallon or a 1,000-gallon mixing tank. The tanks each feature four in-line eductor nozzles.

A modular design provides flexibility for a variety of different mounting configurations to meet specific customer needs. Primary components consist of a power pack equipped with a gas or diesel engine, a Monarch 20 MGK-GS 3-inch centrifugal pump and venturi mixing hopper. The molded tank and power pack attach directly to the mixing tank support frame for convenient mounting and its modular design gives it the flexibility to mount on either end of the tank.

The new venturi design features a direct injection hose that allows the operator to inject liquid drilling fluid additives into the tank through the venturi without using the additive hopper. The additive hopper also features a round shape with a cone-shaped bottom to help prevent drilling additives from collecting at the bottom of the hopper.

The MX240 is equipped with a 15-gallon fuel tank to provide longer operation periods between fill-ups. (888) 837-6337 [vermeer.com](http://vermeer.com)



## Almetek Industries

Almetek markers help notify the community of the hazards related to dumping waste down storm drains. Almetek's 3-D embossed storm drain markers are made of durable, long-lasting stainless steel. Through the use of high-tech, proprietary techniques, Almetek's markers will adhere to any surface and are guaranteed to last up to 30 years. The sand blasted backside and turned-down edges provide an excellent adhesion point that prevents displacement and theft. Installation is quick and easy. (908) 850-9700, [almetek.com](http://almetek.com)

## The Micro-Blaster II Breaks Rock, Concrete Fast

Using small propellant driven cartridges placed in 5/16-inch diameter holes that are 10-12 inches deep, material up to several thousand pounds can be broken up with the Micro-Blaster II. Available in single head and triple head versions, all remotely triggered from a safe 25-foot distance; the Micro-Blaster II doesn't require any special blasting license for operation.



The Micro-Blaster System uses small proprietary gas-producing cartridges positioned inside the material to be cracked. This overcomes the tensile strengths of both rock and concrete. With the ability of the system to generate pressures up to 100,000 psi, Micro-Blaster pushes the rock apart from within. To avoid dangerous fly-rock hazards, the cartridges are filled with a propellant that has a distinct pressure to burn rate ratio. This allows pressure to rapidly build up inside the rock when the system is triggered and

then drop back to a slow rate of burn immediately when the rock cracks, relieving the internal pressure. When working in open areas the need for blast mats is eliminated, and when working in more sensitive environments, the use of light mats or carpet eliminates fly-rock entirely, reducing the noise of a detonation from a firecracker report to a low thump.

The Micro-Blaster IIx3 Kit, the Micro-Blaster II Kit (a single head system), and the Micro-Blaster I (lanyard-triggered) are available. (888) 747-5519, [ezebreak.com](http://ezebreak.com)

## Cemen Tech

Cemen Tech is the world's largest and most recognized manufacturer of volumetric concrete mixers. Cemen Tech manufactures and distributes stationary, mobile and trailer-mounted units designed to handle today's varying concrete mix designs including pervious, SCC, and rapid set. In addition, Cemen Tech equipment is versatile enough to be able to perform in any application from precast, to gunite/shotcrete, short loads in remote locations and high-production batch plants. Cemen Tech has models with material capacities from 2 up to 10 cubic yards and production rates ranging from 12 cubic yards per hour up to and exceeding 100 cubic yards per hour. (800) 247-246, [cementech.com](http://cementech.com)

