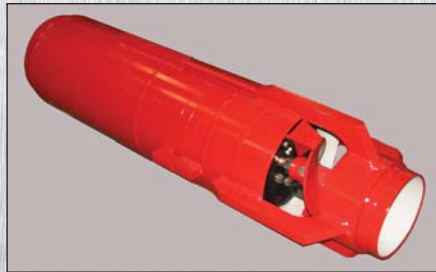


Akkerman Inc.

Akkerman Inc., Brownsdale, Minn., has created a new product for the GBM line. The Powered Reaming Head (PRH) is an upsizing tool that is part of the third step of the GBM process. The PRH can be configured to 14-, 16-, and 20-in. OD and is designed to work in 96-in. minimum ID or



trenchbox shafts. The PRH features separate jetting lines on reaming head arms to lubricate spoils and separate lubrication lines on the rear section to reduce jacking forces on the pipe. The PRH features an auger drive for spoil removal to the reception shaft. The PRH operates with a standard jacking frame, P100Q and P150Q power units, uses standard GBM 11-in. OD thrust casings, and is controlled by the GBM operator in the launch shaft. For more information on this and other Akkerman products, visit www.akkerman.com.

AOC

AOC's corporate blue means green as a North American resin leader continues to develop technologies that are good for the



planet and help customers pursue opportunities in green manufacturing and marketing. It is L713, which uses renewable content specifically designed for CIPP. It has all the same properties and product benefits as standard petro-based resins. AOC green technologies fall into three primary categories: Renewable Content, Zero Hazardous Air Pollutant and Recyclable Content. Renewable Content resins are formulated with chemical building blocks that are derived from renewable resources instead of fossil fuels. Initial work is focusing on green propylene glycols that are molecularly identical to PGs made from crude oil or natural gas. As a result, process and performance characteristics of resins made with green PG technologies are

identical to the characteristics of conventional, 100 percent fossil fuel-based resins. For eliminating hazardous air pollutants, AOC patented a revolutionary technology that is entirely free of styrene.

AP/M Permaform

Centrifugally cast concrete pipe (CCCP) is a no-dig method for structural repair of culverts of any size or shape. CCCP provides complete structural support while maximizing full flow diameters and protecting existing corrugated metal pipe with a rust inhibitor. Corrugated metal pipe (CMP) commonly suffers structural damage from soil erosion, abrasion, corrosion and buckling. Washouts and collapses are disastrous and costly. AP/M's PL-8000 CCCP is designed for H-80, wheel loading. It contains special additives to prevent internal corrosion from the old metal culvert, and it is highly resistant to abrasion. PL-12,000 for concrete or corru-



gated metal pipe invert repair is for structural refurbishment of damaged inverts common in culverts. PL-12,000 is placed by spinning the mortar to conform to the radius of the invert without affecting the flow characteristics of the existing culvert.

Astec Underground

The Astec EarthPro DD-4045, the latest addition to the company's HDD lineup, packs a powerful 40,000 lbs of thrust/pull-



back and 4,500 ft-lbs of rotary torque. It has a two-speed carriage and features a Cummins QSB4.5 turbocharged Tier 3 Stage IIIA diesel engine that produces 156 hp. A multi-function color LCD display provides a crystal clear view of the drill's performance and functions. Dual joystick control system and cruise control are standard. Pipe capacity is 520 ft in removable pipe baskets. The DD-4045 comes standard with Astec's 357 Protection Plan. New machines carry a three-year warranty on workmanship, five years on the engine and seven years on the rack at no additional cost.

Barbco Inc.

Barbco now offers as standard the strongest, most reliable heavy duty auger in the industry. With 10-in. OD Drawn Over Mandrel (DOM) tubing and 5/8-in. thick wall, extreme heavy duty 5-in. hex bushing and a patented box gusset, Barbco has raised the bar in auger strength and dependability. Barbco also offers all roller cone cutting heads 18 in.



and larger on a retractable base. This innovative idea allows the cutting head to retract the outside gauge cutters to be extracted through the casing and reinstalled after inspection. The head expands to over cut 1-1/2 in. larger than the OD of the casing by turning it clockwise and retracts to 1-1/2 in. less than the OD of the casing by turning it counter clockwise for retrieval. With a patented duel-cam action the gauge cutters are mechanically opened and closed for positive engagement.

Bowman Tool Co. & Systems

The 2.5-hp right angle, geared air motor from Bowman Tool Co. & Systems delivers 28 to 38 cfm at 95 to 105 psi with an average 10,500 rpm. Constructed from air craft aluminum and heat-treated steel, the air motor has superior power for cutting off protruding laterals and excellent torque for brushing, and it can be combined with slitting



saws to aid in the removal of bad lining from pipe. The air motor, measuring 5.75 in. long and having a 3-in. square base, is designed to work in 6-in. and larger relined pipe.

Carson Underground Inc.

Carson Underground Inc., a premier HDD reamer manufacturer, has released a new sonde housing. The 3/4-in. thick access door on the sonde housing provides superior protection for valuable electronics. The housing is as much as 33 percent thicker than comparable units and features a slightly larger body diameter for greater wear resistance and durability. The housing incorporates a seven-hole Vermeer pattern that is compatible with CU pilot bits, including Vermeer replacement bits. Custom cross-over adapters allow the housing to be used



with all makes and models of drill rigs. Carson Underground Inc. manufactures a wide range of wear parts for the underground construction industry, specializing horizontal directional drilling ground engaging parts and accessories.

CertainTeed Corp.

CertainTeed engineered the first completely non-metallic, corrosion resistant restrained-joint PVC piping system for trenchless construction and offers a variety of contractor-proven Certa-Lok products for water, sewer and conduit applications. The latest member of this growing family, CertaFlo GreenLine, is supplied in standard green color and shorter lengths for ease of



use on trenchless applications. CertainTeed's CertaFlo GreenLine is available in sizes 4 to 8 in. and was recently expanded to include two larger sizes, 10 and 12 in., to meet customer demand. Certa-Lok products require no special heat-fusion equipment, resulting in significant time and cost savings. Joints are assembled as the pullback continues, so streets remain open and clear. CertaFlo GreenLine holds precise grade thanks to PVC's superior stiffness. In addition, higher-strength PVC requires a much thinner wall in order to achieve the same mechanical properties. Comparing common sizes, PVC will have a larger inside diameter, which results in significantly improved flow performance and efficiency.

Cobra Technologies

The Cobra FastView telescopic zoom camera is a portable, rugged, lightweight, easy-to-use video inspection system ideal for quick evaluation and inspection of man-holes, pipes, tanks and any areas where human entry is impractical or impossible. Quickly and safely assess access point condition and surrounding areas. The camera has a powerful 36x optical and 12x digital zoom (total 432:1) for detailed viewing of defects at hundreds of feet away. Designed for single-user operation, the FastView functions as a



stand-alone unit or with any CCTV system. Videos and images are easily transferred to the office for your database or GIS system. The Cobra FastView saves time and money. Evaluate pipes and confined areas in a fraction of the time of a confined space entry or full inspection. Features: Solarc parabolic lamps, 432:1 zoom, manual and automatic focus and iris, pole mounted, extendable to 24 ft, up to 38 ft optional.

Connectra

The best fusion machine value in the country just got better. Connectra's 824 EP now comes with hydraulic clamping. The 824 EP handles pipe from 8 to 24 in., includ-



ing heavy wall 24-in., with ease. This machine has been a proven field performer for many years and has a robust hydraulic facer coupled with plentiful carriage pressure. The current enhancement ensures that those large diameter, heavy wall pipes can be rounded on even the coldest of days. This unit has a reliable, two thermostatic heater to ensure good heat distribution, and it is fully compatible with the leading data recorders on the market. On top of everything, the 824EP has a three-year warranty and is supported by North America's leader in joining technologies, Georg Fischer Central Plastics.

CUES

Using a combination of laser profiling, underwater sonar profiling and high-resolution HDTV imaging, the Flyeye pipeline inspection system collects and processes data on internal pipeline conditions including debris level, ovality, H₂S erosion, lateral location and damage without requiring flow diversion, flow interruption or manhole ring removal. Reports and video images provide a complete data package to rank risk and evaluate defect severity to establish proper and economical processes for rehabilitation. The floata-



tion platform is designed to operate in pipelines from 24- to 120-in. diameter with 25 to 100 percent flow. It employs acoustic sonar to profile the invert and measure debris depth below the flow. It has a multi-camera laser profiler used for precise measurement of internal pipe walls, including ovality, H₂S erosion, lateral location, holes and other defects above the flow. The high-resolution digital camera survey captures an 1800 image of the interior pipe above the flow.

Digital Control Inc.

Just released in 2009, DCI's DigiTrak F2 Locating System has quickly become the premier HDD locator for trenchless jobs around the world. The F2 system features intuitive, ball-in-the-box locating, along with real-time, birds-eye view. Enhanced target steering and operation depths up to 85 ft; single-button user interface and graphically-driven menu. Exceptionally easy to use, critical on-the-fly steering ability, and a four-



channel radio enables multiple F2 locators to be in the same vicinity and work up to distances of 1,800 ft plus, making it suitable for maxi rigs. The complete system includes a handheld receiver, transmitter, remote display, battery charger, and rechargeable 12-hour lithium-ion batteries to power the receiver and remote display. The DigiTrak SE Locator from DCI became available November 2009, and is designed for compatibility with any existing Mark Series remote display. Streamlined to feature select technology from both the F2 and Eclipse locating systems, the SE offers easy to use target-in-the-box locating and outstanding value.

Estane

The Estane Engineered Polymers business has introduced a new multi-layer coating technology for cured-in-place-pipe (CIPP) liners. The new CIPP technology shows a reduction in styrene permeation of over 99 percent while maintaining the perfor-



mance benefits of TPU including abrasion and chemical resistance, and low temperature flexibility. Traditional and less expensive systems use styrene as a crosslinker for curing resins, but the drawback is the strong odor and contaminated water that requires special disposal, resulting in additional costs. Listening to the installers, it became apparent that finding a solution

for the styrene odor, maintaining current benefits and easy installation at a reasonable cost, were their most pressing needs. The goal was to develop the next generation coating for the CIPP liner. It's soft, which allows for easier installation even with the most complicated sewer systems. Also, it can be repaired easily with cold methods such as tape or solvent patches.

Formadrain

Formadrain Lateral-Main-Connection (LMC) is a system that allows repairing (sealing and structural repair) Tee and Y sewer connections from 6-in. with a 4-in. up to 24- with a 8-in. LMC is manufactured by Formadrain and assures a high-quality repair by using steam. Materials include fiberglass, polyethylene



sheeting and epoxy, which allow durable, fast and easy repairs. Actual LMC is a 3-ft long full main wrap for a complete structural repair. Also the lateral portion of the LMC can go up to 2 ft inside the lateral. The LMC is easy to install and is a success every time. LMC is made out of structural fiberglass combined with odorless epoxy, which makes it environmentally safe and safe for workers.

Godwin Pumps

Godwin Pumps recently debuted the addition of a 4-in. model HS103 hydraulic-powered submersible pump to its Heidra hydrau-



lic submersible line of pumps. Capable of flow rates to 1,000 gpm and heads to 170 ft, the HS103 is a compact, self-contained, hydraulic powered submersible pump with a diesel-driven hydraulic power unit. The HS103 is a cast-iron pump with cast chromium steel impeller designed for general pumping, slurries and sludges with solids handling to 3 in. in diameter, ideal for sewer bypass and municipal sludge applications. The unique top discharge design on the HS103

enables the pump to fit through a 21-in. diameter opening. The simple-to-maintain gear motor with "plug-in" connection allows for quick changeover when needed.

HDD Broker

HDD Broker is proud to announce many exciting new services for 2010. In addition to constant updates to the main www.bddbroker.com Web site, a new site dedicated to heavy construction equipment has been



launched. Iron Assets now features hundreds of pieces of equipment in dozens of categories sourced from trusted contractors, banks and dealerships (www.ironassets.com). Dedicated Web sites for Asian, New Zealand and Australian customers have also been created in conjunction with HDD Broker's new partners in those areas. These sites show local contact information and currencies. Just released is HDD Broker's new reverse auction Web site, HDD Auction (www.bddauction.com). Listings on this site see their prices reduced daily until they sell or until they meet the seller's reserve price.

HOBAS Pipe USA

The HOBAS NC-Line that HOBAS Pipe USA just introduced is already generating a lot of interest. The non-circular profiles are manufactured of glass-reinforced polyester and designed for constructing or rehabilitating non-circular sewers. These special pipes provide an innovative method to rehabilitate old sewers, since they can be made in virtually any shape. They are manufactured on a computer-controlled machine that can produce specially shaped pipes up to 118 in. in diameter. Like all HOBAS products, they have inherent corrosion resistance and superior hydraulics that deliver maximum flow capacity.



Insituform Technologies

Insituform recently introduced an innovative, reinforced cured-in-place pipe (CIPP) developed specifically for pressurized force mains and potable water mains. Known commercially as InsituMain, the fully structural CIPP product is suitable for pressurized piping ranging from 6 to 36 in. in diameter



and has an AWWA Class IV rating. Reinforced with glass fibers, the new NFS-approved CIPP provides the strength and stiffness needed for pressurized mains. Extensive lab and field testing has resulted in improvements to the design, manufacture and installation of the InsituMain product.

Mabey Bridge & Shore

Churning at nearly 160 rpm, the Dawson Excavator Mounted Drill (EMD) from Mabey Bridge & Shore Inc. facilitates the installation of sheet piling, trench boxes or other equip-



ment by loosening tough soils to permit excavation. The auger is powered by 15,000 ft-lbs of torque and is strong enough to carve through some of the hardest soils, thus allowing shoring installations where it otherwise may have taken days to dig without it. The EMD mounts easily to standard excavators and is powered by the hydraulic flow and return lines that would ordinarily supply the excavator's bucket. Augers of varying size attach quickly to the machine via a hex adaptor and once fully powered, the EMD is capable of drilling and loosening the most cohesive soils — from clay to hardpan and more. The Excavator Mounted Drill is available now from Mabey depots throughout the East Coast.

Gabe's Horizontal Directional Drilling



Rigs from 80,000 lbs - 650,000lbs Pullback

**Serving the Utility & Pipeline Industry
Since 1942**

4804 North 40th St.
Sheboygan, WI 53083
920-459-2600

Please email with project/bid inquiries to:
natkin@gabes.com

www.gabes.com

McElroy Mfg.

McElroy's line of PitBull fusion machines are compact, lightweight and rugged. Focused on popular sizes in the plumbing, sewer and gas markets, the 26 PitBull fuses pipe sizes from 2-in. IPS to 6-in. DIPS and 2-in. IPS to 180 mm. Both models come standard with a 6-in. IPS insert set. The 26 is very similar to the 14, one of McElroy's best-selling fusion machines. The 14 and 26 both offer McElroy's patented



Centerline Guidance System, a semi-automatic locking cam system that maintains force during the cooling cycle and the ability to fit on the Manual Fusion Stand accessory. The 26 fusion unit has a greater mechanical advantage ratio to the popular 14 PitBull, as well as an electric facer with balance point handle for fast facing of pipe. Contractors and pipeliners that already own McElroy's PolyPorter and PolyHorse can enjoy the same productivity-enhancing benefits with the new 26 PitBull.

McLaughlin Mfg.

The On Target auger boring system from McLaughlin allows contractors to not only control horizontal on-grade (up and down) changes, but also allows for lateral (left to right) direction changes. The new system provides contractors with more control of the auger boring steering head, leading to more accuracy for difficult on-grade bores. The cutting path — grade and lateral movement — of the steering head is controlled by hydraulic actuated flaps that open and



close to keep the head on the intended path. A control station features a hydraulic power pack to control the movement of the steering head, and a built-in water level

helps monitor grade throughout the bore. Two halogen lights in the control station indicate lateral (left and right) steering head movements.

Nozzteq

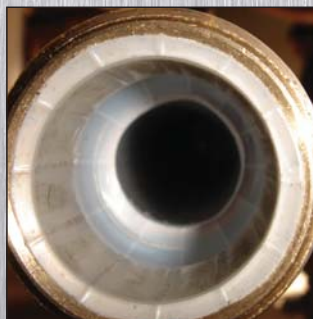
NozzTeq introduces a new sewer or storm cleaning nozzle called the BL Swiper for pipe sizes 8 to 18 in. The construction of the BL Swiper is made to optimize the



cleaning effect by using both the water flow from the jets and air flow in the pipe. The water flow, through the pressure in the jets, creates a jet stream, which in turn creates thrust through a number of air channels. The number of air channels is equal to the number of water jets (i.e. a nozzle supplied with four water jets are supplied with four air channels). The channels are placed in the center of the nozzle meaning that the total force generated by the nozzle, both air and water force, are used to clean the pipe cost-effective. Tests performed with the BL Swiper has been determined that the flow rate can almost be cut in half, compared with normal flow needs. The pressure has a direct impact on the cleaning ability of the BL Swiper. By increasing the water pressure, the thrust power will also accelerate, decreasing the total cleaning time.

Nu Flow Technologies

Neofit can rehabilitate pipes with an internal diameter from 1/2 to 2 in. It can be used in host piping systems made from any material including lead, steel, copper, galvanized iron and plastic. It is an optimal solution for pressurized pipe systems where the host pipe still retains its overall structural integrity and pressure capability. Its benefits include:



stops lead leaching from metal pipes into drinking water; prevents further contact of metal pipes with drinking water; provides a permanent solution to span gaps and holes, fixing local leaks; extends the life of host piping systems; maintains or increases flow rate; allows old lines to be rehabilitated using a trenchless installation technique; installs quickly avoiding lengthy disruption to service; and rated NSF 61-G. Its applications are cold water service lines and potable cold-water distribution lines.

Pressure Pipe Inspection Co.

Municipalities can significantly reduce infrastructure costs by repairing only the individual pipes that are distressed instead of replacing an entire line. This also reduces risk and extends the overall life of existing pipelines. PipeDiver has been specifically designed to operate in live pipelines, guaranteeing uptime and avoiding costly dewatering and service shutdown. This free-swimming tool travels long distances and collects critical data about the structural



integrity of the pipeline, identifying pipe sections that are at risk of failure.

Rain for Rent

Rain for Rent's established line of self-priming pumps has expanded with their latest centrifugal innovation, the DV-600c Power Prime pump. This 30 by 24-in. pump is the largest portable centrifugal pump available for rent or sale in the United States. With a flow rate up to 26,000 gpm, the DV-600c Power Prime pump is perfect for pumping huge results into your next big bypass project. This pump provides 96 ft of head, suction lift



up to 28 ft, handles solids up to 5.25 in. and has unrivaled fuel efficiency. With a footprint of 170 sq ft, smaller than some lower volume pumps, the DV-600c can be easily transported by truck. Combine the DV-600c with Rain for Rent tanks and pipe for a complete solution to your liquid-handling problems. Installation and engineering teams are available 24/7.

RapidView IBAK North America

RapidView IBAK North America presents the smaller diameter Panorama 150, a 360-degree pipeline scanner system for pipelines 6- to 12-in. in diameter. The 150 is a smaller, more economic version of the standard Panorama system which is capable of inspecting 8- to 72-in. pipelines. The Panorama 150 uses two specially designed 185-degree wide-angle cameras mounted on the front and the rear of the system. As the



system moves through the pipeline the integrated high-power strobes flash and the cameras capture images of the pipe wall. After the inspection the data is compiled to create a complete 360-degree view of the pipeline in a self-contained file. Users can then move through this virtual pipeline and take measurements and log defects. Panorama 150 does not need to stop as it moves through the pipeline and can inspect at speeds up to 40 ft per minute without the motion blur you find in other technologies.

Reelstrong Mfg.

During the constant struggle to repair and replace manual reel-securing pins, spring plungers and loose hardware on cable reel trailers, Reelstrong co-founder Noel Smith found out first hand the horror that can result from a missing or forgotten reel-securing pin: he lost a reel on the highway and almost crushed another vehicle. For three and a half



years, Reelstrong designers and engineers researched, trialed and scrapped numerous prototypes resulting in a pinless design that virtually eliminates all safety issues. Eager to launch, but deciding against it to increase the line offering during the recession of 2008-2009, Smith partnered with a local construction company specializing in safety systems and worked collaboratively with a large Philadelphia electrical construction company to develop high-tech remote control and pinless accessories. Since then, Reelstrong has sold many 6K, 8K, and 10K units to northeastern and northwestern companies. Reelstrong has designed, developed and is trialing a full range of pinless units such as, economy models and multiple reel units.

Robbins HDD

The UNIHammer was meticulously designed and patented by a drilling contrac-



tor or drilling contractors. It isn't an engineer's lifeless drawing on a blueprint, but rather the result of a lifetime of experience that brings the innovation to this remarkable rock tool. Now you can get more distance per hour, per day on your bores than ever before. It is the premier rock tool on the market today, and best of all, it's economical. A variety of custom-designed UNIHammer bits fit directly on the end of any directional drilling hammer allowing you to have more aggressive steering through dirt, rock or even granite. Specific Metal Compound is used to ensure longer bit life and housing life. In head-to-head testing, the UNIHammer out produces the other air hammer systems on the market. Designed and tested for everyday use, not just rock boring, giving you a better return on your investment.

Sealing Systems

Infi-Shield external seal prevents erosion and infiltration in manholes or catch basins. The one piece molded seal is made from EPDM rubber and it has a reinforced pre-



formed L-shaped corner. Having excellent adhesion properties, Infi-Shield is bonded with non-hardening butyl mastic and it will pass a vacuum test. Infi-Shield installs easily in minutes without any special tools. Seal the extra water out of your system and gain effective capacity overnight.

Thompson Pump

Thompson Pump's 4JSVC-EBS-40 Enviroprime Pump is a 4-in. automatic priming, electric-driven centrifugal pump that provides flows to 1,175 gpm, high heads to 150 ft and solids-handling capabilities. The Enviroprime priming system,



unlike most automatic priming systems, prevents product blow-by of pumpage, such as sewage, effluent and waste, from being discharged onto the ground or through hoses that carry the pumpage back to the source, making it environmental friendly. The durable construction and the highly efficient pump provides longer life and economical operations but most importantly — lower fuel costs. Consult Thompson Pump for options, accessories, applications assistance and alternatives.

TT Technologies

TT Technologies, in Aurora, Ill., has introduced a 3-ton winch to its line of Grundowinch hydrostatic constant-tension winches. Ideal for pulling CIPP liners, fold and form liners,



conventional and specialty sliplining, CCTV, and cable through innerduct, the new Grundowinch is a unique winch for the trenchless contractor. The Grundowinch can pull up to 3,280 ft of 3/8-in. cable at pulling speeds of up to 160 ft per minute. In addition to a 3-ton pulling capacity the winch offers infinite speed control throughout the pulling range. The new 3-ton winch is compact and highly portable for pulling in easements and backyards. The durable Grundowinch also features a level winding mechanism and a twin capstan cable management system.