

## TRENCHLESS PIPE REPLACEMENT



### HammerHead

#### Static System

Four HammerHead HydroBurst pipebursting systems are available to burst and replace pipes from 2-inch through 24-inch host pipe. When coupled with the line of HammerHead Ductile Slitters, Hydro-

Burst systems can burst even the toughest host pipes including ductile iron and steel. Lightweight, heat treated, alloy rods are proven to handle thrust loads encountered when pushing around sweeping bends, through encrusted and collapsed lines and long burst lengths. (800) 331-6653, hammerheadmole.com



### Ditch Witch

#### Static System

Three compact pipebursting systems are available from Ditch Witch – the PR50, PR75 and PR95. The equipment is designed to fracture or cut existing pipes of 2-16 inches O.D., pulling in new replacement pipe during the trenchless process. Each unit is a complete system comprised of power source, pulling unit, pulling rods and downhole static bursting head. Features include: an optional

automatic rod make-up device that threads rods together; load-sensing hydraulics that adjust automatically to load levels and simplified controls for increased productivity; a steel shroud above pulling cylinders that protects them from dirt and debris; and a tool kit containing tools and accessories in a protective case. Downhole bursting tools are available to match sizes of host pipe and soil conditions. Three cutting-head design are offered: cracking heads for pipe that can be fractured; three-blade heads for splitting or cutting PVC; and heads with a one-blade design for cutting through iron and steel pipe. (800) 654-6481, ditchwitch.com



### Tenbusch

#### Push Technology

Tenbusch Inc. manufactures a line of trenchless equipment that allows the local contractor or city crew to replace or upsize existing old pipe (water or sewer). The TIM system utilizes several

rigid pipe materials including - clay, ductile iron, polycrrete, Hobas, steel and stainless steel. The equipment is all hydraulic and uses no percussion. This patented trenchless process requires small entrance/exit pits. Tenbusch manufactures a number of different jacking units to accommodate a range of piping materials and sizes as well as specific job site conditions (including a jacking unit that works from within a standard manhole.) The Tenbusch equipment comes as a complete package, including hydraulic power units using environmentally safe hydraulic oil and lubricant systems that are matched to the jacking units. Tenbusch also manufactures a portable backstop (wall) that can be set quickly, precluding the need for a poured-in-place concrete block. (972) 221-2304, tenbusch.com

### TT Technologies

#### Static System

Burst and replace ductile iron, steel and lined pipe with the Grundoburst static pipebursting system from TT Technologies.



Pulled by a hydraulic bursting unit, the cutter head's special cutting wheels split the host pipe. An attached expander spreads and displaces the split pipe into the surrounding soil while simulta-

neously pulling in the new pipe. Patented Quicklock bursting rods are linked together not threaded. This saves time, prevents twisting and extends the life of the cutter head over threaded bursting rods. Three models are available for bursting 4-inch through 12-inch pipes and larger. (800) 533-2078, tttechnologies.com

### Miller Pipeline

#### Static System

Miller's XPANDIT system is used to replace deteriorated gas, water, wastewater and industrial process pipelines including vitri-



fied clay, cast iron, concrete, reinforced concrete, asbestos cement and PVC with high-density polyethylene pipe. The XPANDIT trenchless pipe replacement system allows you to install new pipelines with a minimum of excavation in the same or larger di-

ameter than the existing pipe. The system can be used to replace deteriorated pipelines with high-density polyethylene piping. This high-strength pipe is ideal for a wide variety of applications. It is corrosion-proof, offers excellent flow characteristics, and eliminates joint leakage since it is a continuous, fusion-welded pipeline. (800) 428-3742, millerpipeline.com

## Nowak Pipe Reaming

### *Pipe Reaming*

InneReam is a simple and effective system of trenchless pipe replacement. Patented by Nowak Pipe Reaming, the system was developed to utilize a directional drilling unit, specialized tooling and techniques to grind and remove the existing pipe as the replacement is pulled into place. The system places no undue stress on nearby fragile structures or paving during the installation process, consequently it also reduces stress on the installer as well. The InneReam system provides relief by: reducing costs for surface restoration; minimizing negative public reaction to projects; reducing safety hazards involved with deep trenches; and eliminating critical utility outages common with open cut methods. The system consists of the removal of in-place clay, PVC, asbestos-cement, or non-reinforced concrete pipe and the simultaneous replacement with a pipe of equal or greater diameter. Removal of the in-place pipe is accomplished by back reaming using a directional drilling machine with a cutter head that reduces the existing pipe to small pieces which are carried along with other excess particles by the drilling fluid to an extraction point. (316) 794-8898, pipereaming.com

## Astec Underground

### *Static System*

The Astec EarthPro PB-40 Pipebursting System is a fast and efficient hydraulic pipe replacement system. This innovative tool breaks out failed or aging sewer, water, gas and other utility lines and replaces or upsizes them with one smooth operation. Designed for use by contractors, rental companies and utilities, this system offers a cost-effective alternative to traditional open trench replacement methods, reducing labor and heavy equipment needs and minimizing environmental impact. The EarthPro Pipebursting



System is capable of replacing pipes from 2 to 13.5 inches in diameter and is simple to operate and maintain. It features a quiet hydraulic system and rugged, reliable construction. Developing

up to 80,000 pounds of pulling power, the system is capable of bursting cast iron, concrete, asbestos cement, PVC, pitch fiber and clayware pipe. (800) 527-6020, astecunderground.com