



## Keyhole tooling & No-blow processes

Tellus Underground Technology is the premier manufacturer of keyhole and no-blow tooling for the underground utility industries. From underground utility locating to distribution system maintenance Tellus designs procedures and provides tooling to perform dozens of processes from street level. Standard maintenance procedures that were previously performed in open pit excavations can now be completed in an 18" or 24" diameter cored street opening.

## Excavate with Air or Water

While the dry excavation process allows the excavated soil to be reused to back-fill the hole, it can be difficult to dry excavate hard clay type soils. Conversely, water jet (hydro-excavation) demands that all excavated material be removed from the site and dry backfill material utilized to restore the excavation. All Tellus vacuum excavation systems are equipped with both compressed air systems and high-pressure water jet systems to accommodate digging in all soil conditions.



## Select the chassis that is best for you, New or Used

Over the years we have found that some our customers would like to have flexibility in selecting the platform upon which we build their system. In order to satisfy this need we have developed designs that are completely independent from the truck's chassis and therefore can be mounted on any properly sized chassis you desire. New or used, Tellus can build you a vacuum excavation system that will meet and likely exceed your expectations.

## Modular Construction provides you with Custom Designs at an Economical Price

Standard system modules provide you with the broadest range of configuration options without the cost of a totally custom built truck or trailer. Whether you have your system mounted on a 26,000 lb. GVW or a 19,500 lb. GVW chassis, you can select the modules that meet your operational and budgetary needs.

### Vacuum Systems

The driving force for all vacuum excavation systems is the vacuum producer. All Tellus systems are designed to produce 1,100 CFM air flow rate at vacuum levels as high as 15 inches of mercury. This will give you the ability to excavate in any type of soil conditions without clogging the digging hose. The vacuum producer is matched with a revolutionary filtration system that never needs cleaning and a discharge silencer that keeps noise levels below 86 dba.

### Compressed Air Systems

Excavating with compressed air eliminates the expense and inconvenience connected with the disposal of wet muddy spoils. The dry soil can be reused to back-fill the excavation thus eliminating the cost of hauling new back-fill material to the site. Compressed air is also utilized to power pneumatic tools such as jack hammers, tampers as well as the many power tools that are an everyday part of the latest keyhole technology. All Tellus systems are equipped with two

compressed air hose reels, one for the air knife and the second for pneumatic tools. Pressures of 125 PSI, 175 PSI or 220 PSI will give you the ability to excavate in soil conditions that will exceed the capabilities of much more costly systems. Tellus systems are also equipped with a moisture separator and air tool lubricator to keep your pneumatic tools operating as they should.

### Fuel Efficiency

With Tellus vacuum excavation systems you can mount a full powered 220 PSI system on a 19,500 GVW chassis. This saves on your everyday fuel cost as well as the up-front cost of a larger more expensive chassis. In addition, most 19,500 lb. GVWR chassis can be ordered in 4-wheel drive giving you the ability to go where you need to go.

**Air pressures up to 220 PSIG will give you the ability to excavate in any soil conditions**



## We are with you every step of the way >>>

Tellus vacuum excavation systems are not only the most technologically advanced systems on the market; they can be fitted with a number of high value accessories to improve everything you do. There are devices such as an Automatic Dump Valve (ADV) to give you the ability to excavate hundreds of feet away from the truck or trailer giving you the ability to excavate in places where the truck or trailer can't go. You can also choose to have your system fitted with "vacuum hose balance arm" to take all of the weight of the vacuum hose off the operator's shoulders. These are just a couple of the more than a dozen accessories that can be added to your system to make your job safer, easier and more productive.