

Another Trenchless Technology Innovation From TT Technologies

GRUNDOTUGGER®

STATIC PIPE BURSTING SYSTEM

LATERAL REPLACEMENT
BREAK THROUGH

Made in the **USA**

The **PROFITABLE** TRENCHLESS SYSTEM



Pipe bursting laterals has never been easier. The GRUNDOTUGGER® gives you the power to burst and replace laterals, up to 150 feet and more, in a package that's portable and simple to use. Replace size for size or upsize! TT Technologies backs each GRUNDOTUGGER with over 40 years of trenchless experience.



TT Technologies, Inc.

GRUNDOTUGGER®

trenchless lateral replacement



Exclusive Mini-Excavator Mounting Option provides easy GRUNDOTUGGER transport, placement and removal.

With the New GRUNDOTUGGER® you can:

- Replace laterals without costly trenches and restoration
- Negotiate turns and bends up to 45°
- Fuse pipe as you burst
- Burst using low pressure hydraulics

GRUNDOTUGGER Exclusive features:

- No component over 75 pounds
- Mini-excavator mounting system and power supply
- GRUNDOMAT® piercing tools can assist in difficult soils
- Quick-lock and bolt-on bursting heads easily installed
- Strongest cable-to-bursting head connection available
- No gripping teeth for longer cable life
- Superior field support

Pipe Fusion Equipment

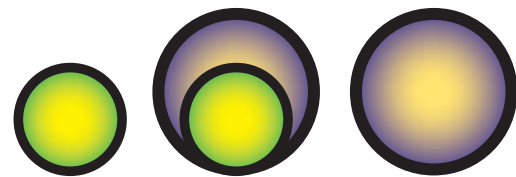
The system includes pipe fusion equipment for 4- and 6-inch HDPE.

Quick-lock Grip Expander



Bursting Heads

Bursting heads for 4- and 6-inch IPS or DIPS pipe are included with each system. Bolt-on expanders and quick-lock grip style expanders available.

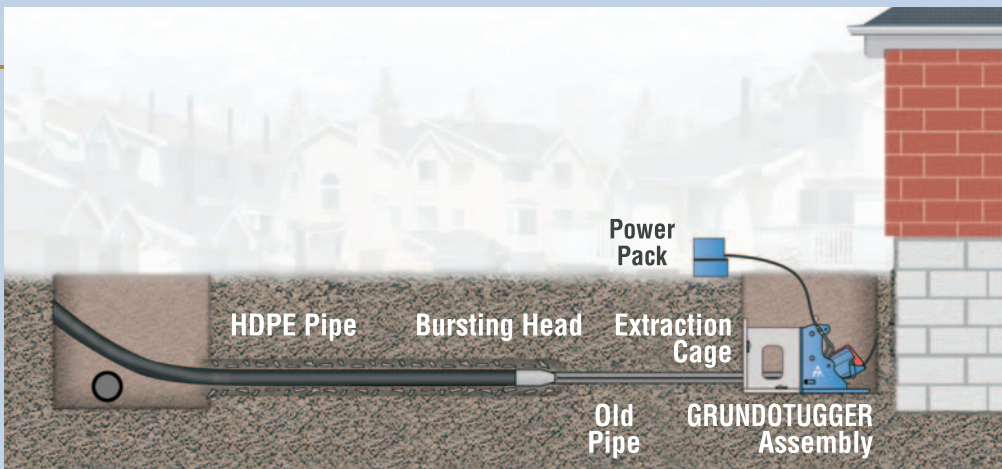


The GRUNDOTUGGER system is ideal for 4-inch and 6-inch lateral upsizes or replacement.



TT Technologies Electro-hydraulic System

provides the power needed to meet the challenges of pipe bursting. In addition, the hydraulic power pack system is designed to withstand the tough conditions found at every jobsite.

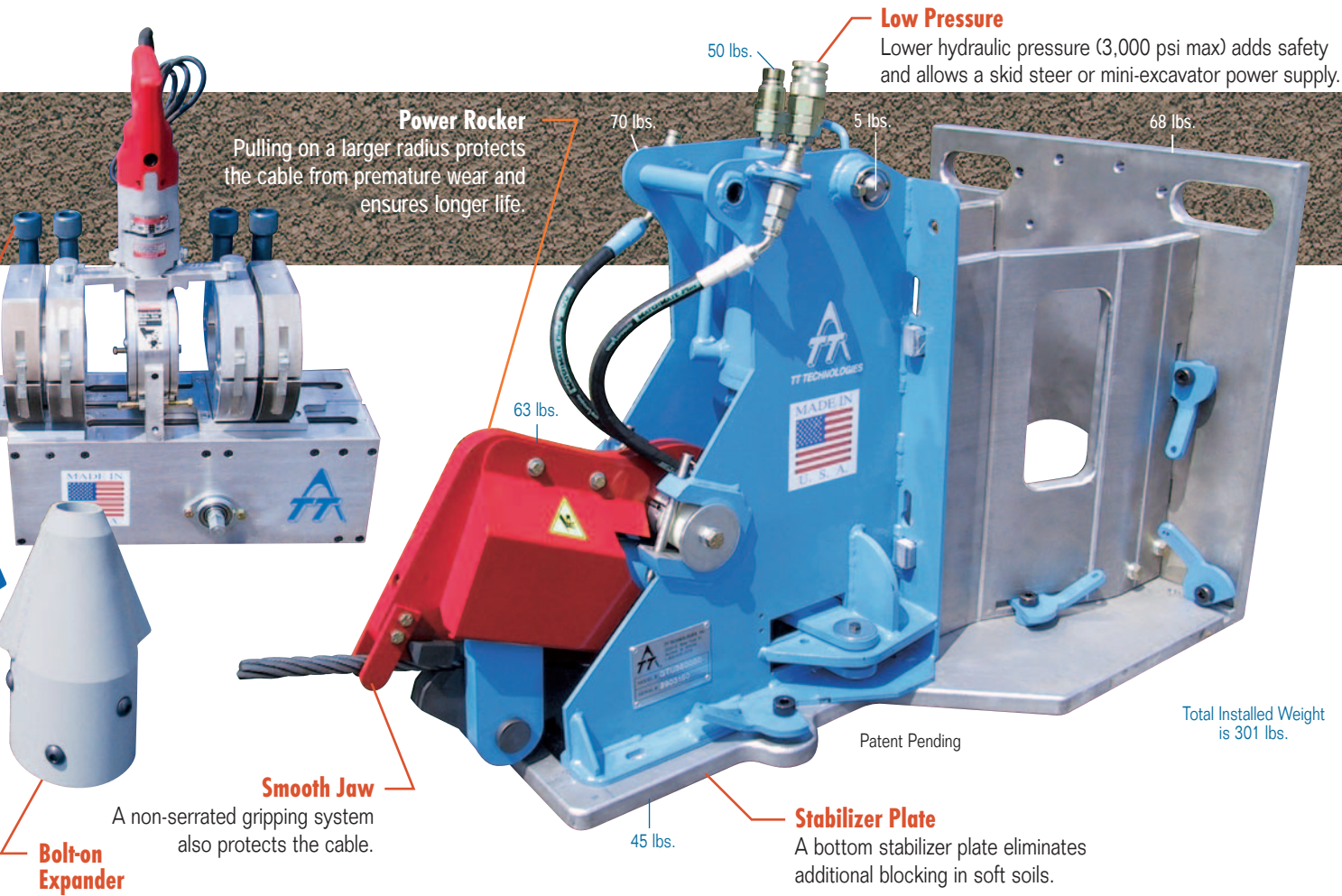


Typical Setup



Only minimal excavations (launch and exit pits) on each end of the lateral line are needed to facilitate use of the GRUNDOTUGGER Static bursting system.

Made in the USA



System Components:

- 4-inch and 6-inch Bursting Heads (IPS or DIPS)
- Combination 4-inch and 6-inch Fusion Equipment
- GRUNDOTUGGER® Winch Unit
- 3/4-inch Winch Cable

Also Available:

- Extraction Cage
- 20HP to 27HP Gas Power Packs
- Special Bursting Heads

GRUNDOTUGGER is Fast:

Flow	Speed @ 3000 psi max.
5 gpm	= 3.0 ft/min
10 gpm	= 5.6 ft/min
15 gpm	= 8.0 ft/min



Once the launch and exit pits are prepared, the GRUNDOTUGGER unit is placed in the exit pit and connected to a hydraulic power pack.



At the launch pit, the winch cable is rodded through the existing line to the exit pit. The bursting head is attached to the new pipe and connected to the winch line.



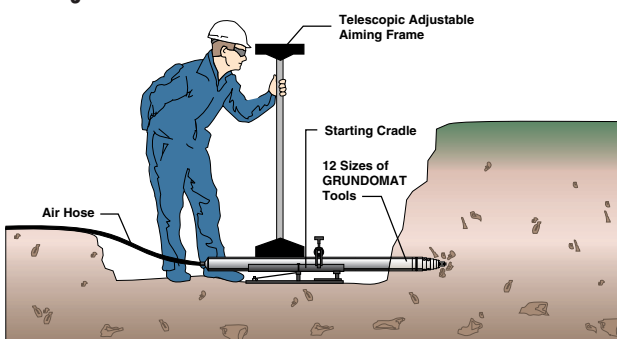
The GRUNDOTUGGER unit pulls winch line, the bursting head and new pipe through the existing lateral. This bursts the old lateral, forcing the fragments into the surrounding soil while pulling in the new pipe.

GRUNDOMAT®

horizontal boring tool



The GRUNDOMAT requires minimal operating space and is easily launched by hand or from a starting cradle.

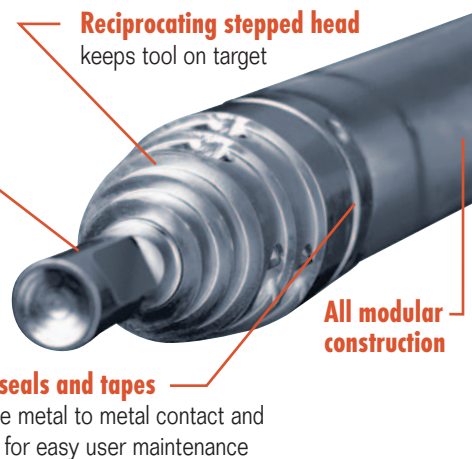


GRUNDOMAT typical set-up

Fast, Efficient, Effective Trenchless Technology

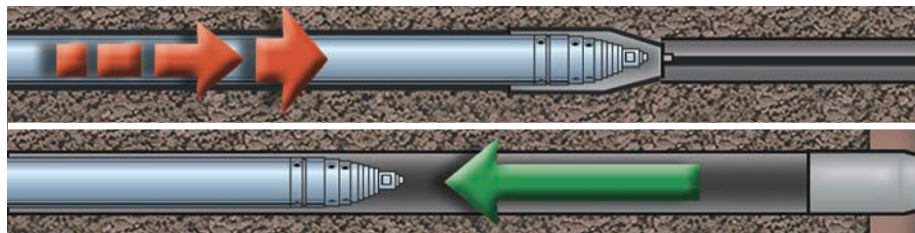
With GRUNDOMAT® piercing tools, crews can bore accurately from 50 to 150 feet in length, while pulling in a wide variety of new pipe materials. Twelve models of GRUNDOMAT piercing tools are available in sizes from 1 3/4 inches to 7 inches in diameter. All GRUNDOMAT piercing tools feature a reciprocating stepped head for superior accuracy. Save time, money and manpower with GRUNDOMAT piercing tools.

- Gas Service Lines
- Water Services
- Irrigation Systems
- New Sewer Laterals
- Electrical Conduit
- Drainage Pipes
- Pipe Extraction



Model	Tool Diameter (In.) (mm)	Basic Package Part #	Deluxe Package Part #	Length (In.)	Weight (Lbs.)	Air Cons. (cfm)	Strokes / Minute
45	1 3/4 45	07076917	07060417	36	19	16	550
55	2 55	07076920	07060420	44	31	21	500
65	2 1/2 65	07076926	07060426	48	55	25	400
75	3 75	07076930	07060430	58	70	35	400
85	3 1/3 85	07076934	07060434	59	101	39	390
95	3 3/4 95	07076937	07060437	63	150	42	330
100	4 100	07076940	07060440	67	154	42	330
110	4 1/4 110	07076943	07060443	73	215	56	280
130	5 130	07076951	07060451	69	258	92	350
130 Servo	5 130	07076950P	07060450P	69	258	92	350
145	5 3/4 145	07076957	07060457	78	370	117	330
160	6 1/4 160	07076960	07060460	79	437	148	330
180	7 180	07076970	07060470	87	573	159	280

GRUNDOMAT tool specifications



Add percussive force with a GRUNDOMAT piercing tool in combination with the GRUNDOTUGGER to help increase bursting power. Simply reverse the GRUNDOMAT tool to back it out of the pipe—a proven method since the early 1970's.



TT Technologies, Inc.

2020 E New York Street • Aurora, IL 60504 • 1-800-533-2078 • 1-630-851-8200 • FAX 1-630-851-8299

www.tttechnologies.com • E-mail info@tttechnologies.com

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