

TERRA

Trenchless Technologies

Cable Burster TERRA-EXTRACTOR X 100

SWISS MADE



TERRA-EXTRACTOR X 100

Cable Burster

MAIN CLAMP

The main clamp is equipped with two patented clamping jaws. They hold the cable in place, even if it gets dirty or wet. They provide a faster, more efficient burst on your jobsite.

COUNTER CLAMP

The counter clamp keeps constant tension on the cable as it recycles. The clamps are easy accessible and easy to change.

10 TONS OF PULLING FORCE

The powerful cylinder gives you 10 tons of pulling force for highly productive lateral replacement.

PULLEYS

The pulleys deflect the pulling cable from horizontal to vertical position. This minimizes the required pit. Widen your margins, not your pits.

COMPACT DESIGN

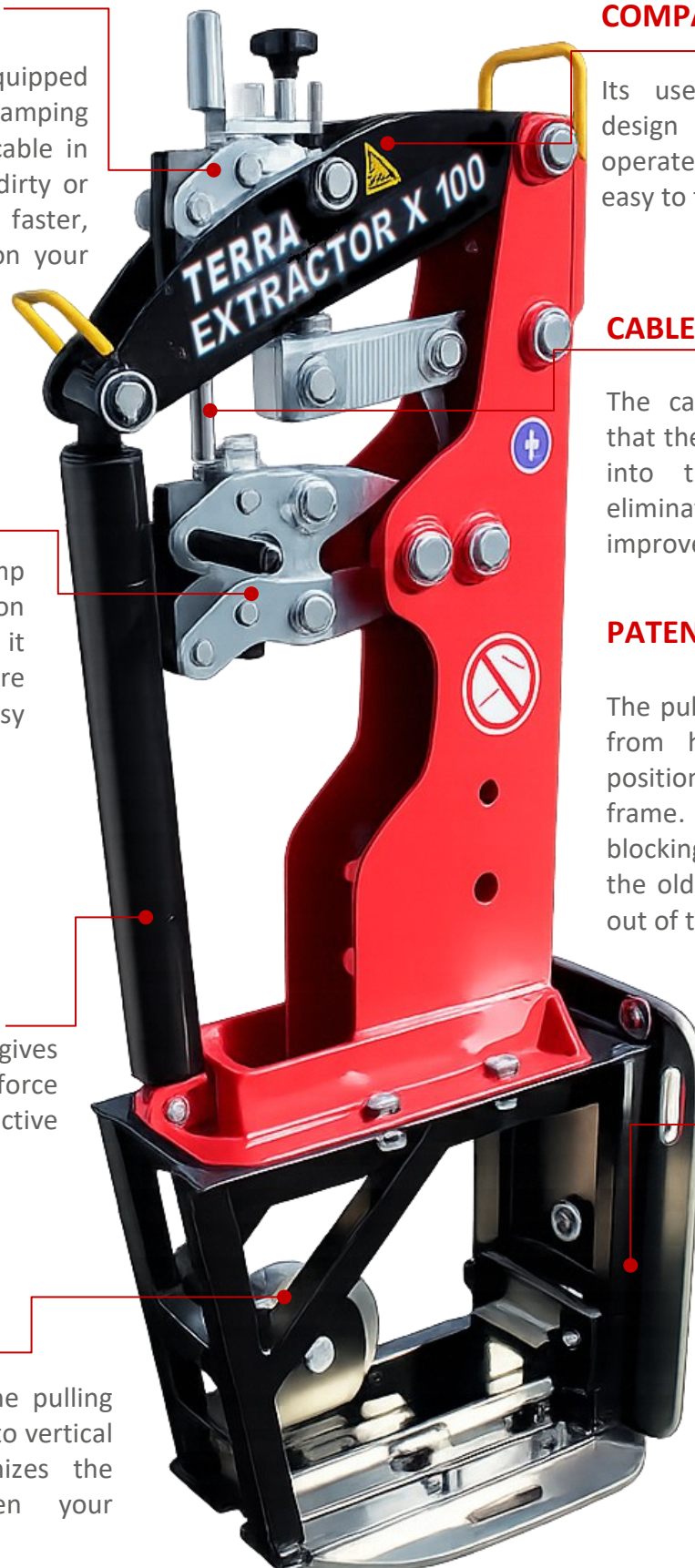
Its user-friendly, modular design makes it easy to operate, easy to set up and easy to transport.

CABLE GUIDANCE

The cable guidance ensures that the cable slides smoothly into the main clamp. It eliminates bungee effect to improve your productivity.

PATENTED STEEL FRAME

The pulling cable is deflecting from horizontal to vertical position in the patented steel frame. The frame has a blocking adapter, which stops the old pipe in case it comes out of the ground.

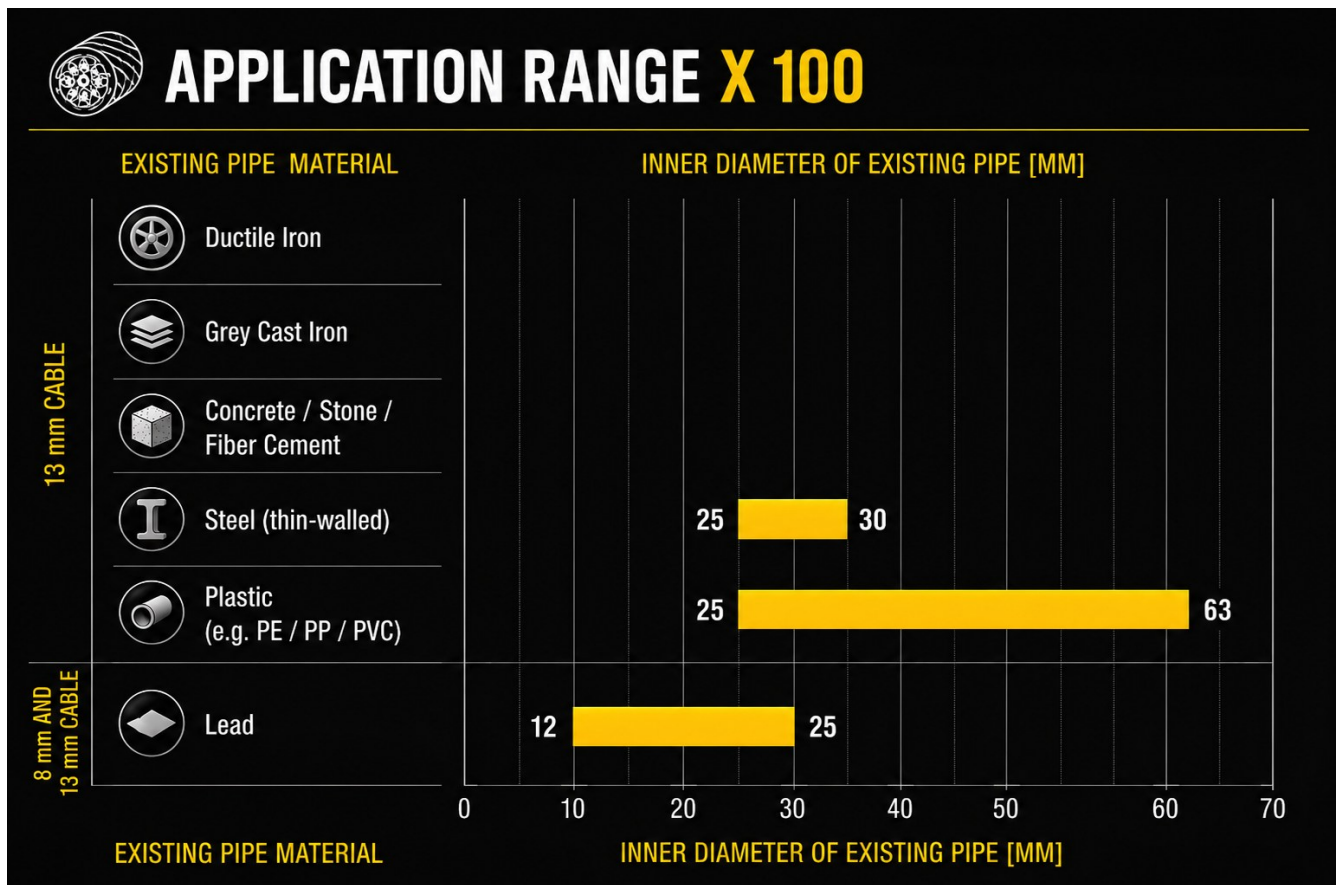


IDEAL FOR RENOVATING YOUR PROPERTY SERVICE PIPES

The **TERRA-EXTRACTOR X 100** is an extremely compact and powerful **10-tonne cable burster** designed for **renovating old property service pipes**. Equipped with a **13 mm diameter cable**, the X 100 can be used to replace pipes made of plastic, lead or thin-walled steel.

PIPE PULLING ALL THE WAY INTO THE PIT

Pipe bursting with TERRA cable bursters offers a high degree of flexibility. Thanks to its compact design and small footprint, minimal excavation pits are required. Its user-friendly, modular design makes working on site easier. It is easy to transport and can be installed quickly and conveniently. Attachment eyes serve as anchor points for lifting the **X 100** safely and reliably into its working area. Thanks to its lightweight construction, it can also be carried into a cellar by two people, for example to renovate old service connections.





THIN-WALLED STEEL

Thin-walled steel is cut with static 3-wing cutters or with small roller cutters. TERRA developed the smallest roller cutters in the world (1 ¼" – 2"). Even pipe sleeves can easily be cut.



LEAD PIPES

Old lead pipes are cut into three stripes with special lead cutters. The patented 2-step-method allows an efficient way to replace old house connections.

OLD PLASTIC PIPES

Old plastic pipes from 25 – 63 mm can easily be replaced with rectangular PE-cutters. These special cutters cut the old plastic pipes into two stripes. The cone displaces the old pipe sidewise while pulling in the new HDPE pipe. Several house connections can be replaced within one day.

OLD STEEL PIPES

The **X 100** can easily cut **thin-walled steel pipes**. TERRA developed static steel cutters with three conical knives and small roller cutters for old steel pipes 1 ¼"– 2".

OLD LEAD PIPES

Old lead pipes are renewed with the patented 2-step-method. In a first step the old pipe is cut into three stripes with special lead cutters by holding the old lead pipe in position. In a second step the old lead pipe is displaced sidewise and the new pipe is pulled in.

PLASTIC PIPES

The old plastic pipe is cut in front of the cable burster **X 100** with a special swell cone. The cutter prevents that the old pipe moves into the machine.



TERRA-EXTRACTOR X 100

Cable Burster

DRIVE VIA POWER PACK OR MINI EXCAVATOR

Powered by a robust 23 hp petrol engine, the **X 100** achieves a maximum pulling force of 10 tonnes at 175 bar. The **X 100** operates at low pressure, so you can choose from a variety of power supply options. Use our dedicated control unit or any other hydraulic supply capable of 175 bars with a flow of at least 40 l/min. You even can run it from your backhoe or compact excavator by simply connecting it to its quick-hitch system.





POWER SUPPLY BY BACKHOE OR MINI-EXCAVATOR

The **X 100** can be supplied by a backhoe or a mini-excavator. Connect it to your quick-hitch system of your power supply and operate the **X 100** comfortable in the cabin.

TERRA-EXTRACTOR X 100

Technical Specifications

	METRIC	IMPERIAL (U.S.)
CABLE BURSTER		
Pulling force	100 kN (10 t)	22,000 lbs
Pulling speed	120 m/h	400 ft/h
Dimensions l x w x h	0.6 x 0.4 x 1.5 m	2.0 x 1.3 x 5.0 ft
Weight	201 kg	443 lbs
POWER PACK		
Motor Typ	Rato	Rato
Power	17 kW	23 hp
Fuel	petrol	petrol
Tank capacity	4.5 l +20 l reserve	1.2 gal + 5.3 gal reserve
Hydraulic pressure	175 bar	2,540 psi
Hydraulic volume	23 l/min	6 gpm
Dimensions l x w x h	1.0 x 0.9 x 1.0 m	3.3 x 3.0 x 3.3 ft
Weight	236 kg	520 lbs
SUPPORT ACCESSORIES		
Dimensions l x w x h	0.3 x 0.4 x 0.6 m	1.0 x 1.3 x 2.0 ft
Weight	17 kg	37 lbs
CABLE		
Length	up to 75 m	up to 250 ft
Diameter	ø 13 mm	½"
Weight	1.0 kg/m	7.2 lbs/ft

* All data depending on ground conditions. Technical Data may change without prior notice.

TERRA – always one bursting job ahead!



PREMIUM BURSTING TOOLS

High quality bursting tools are available for all kind of material. They are designed and produced inhouse at TERRA to maintain peak performance.



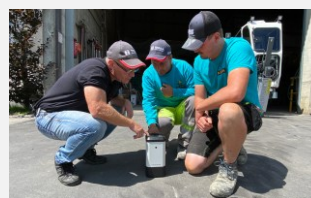
PULLING ACCESSORIES

TERRA offers a wide range of expander cones, sleeves and expander chucks. They allow a safe and secure pulling of the new HDPE pipe.



MACHINE ACCESSORIES

The bursting machines from TERRA can be equipped with different machine accessories. Rear support frames or front plates make the assembly and disassembly easy.



CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA Pipe Bursters are a must have for every contractor!