



MEDATECH
BORTERRA

RAISEPRO-48T

GROUNDBREAKING ITH-RAISE DRILL

EFFICIENT, VERSATILE & INNOVATIVE

The Borterra RaisePro-48T is a multi-purpose ITH-Raise Drill that sets a new standard in efficiency, versatility and innovation. The versatile track-mounted In-The-Hole (ITH) drill was designed to drill 3.5" to 48" holes: ITH production holes, maintenance & service holes, blast hole slot raises and manways/escapeways.

RaisePro™ is equipped with an industry-leading top drive, ultra-heavy duty mast with split centralizer, breakout jaw, and highly accurate Borterra custom control system. All machine functions are managed through programmable modules via a CAN-BUS controller, providing efficient and seamless operation.



SAFE & EFFICIENT

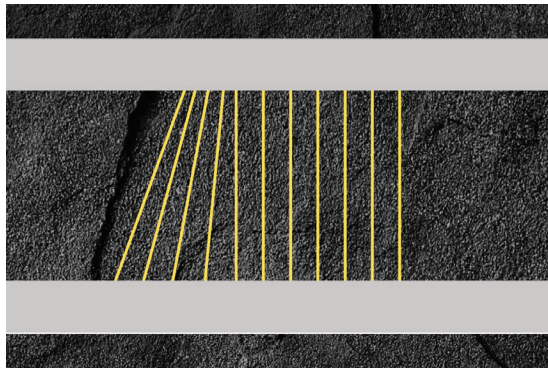
RaisePro features an integrated rod presenter and optional autonomous robotic rod-handler that streamlines operations and enhances safety. Engineered for longevity in harsh underground environments, RaisePro combines efficiency and productivity with high operator safety, operated by radio remote.



POWERFUL & EFFECTIVE

RaisePro is capable of drilling 360 degrees. It has the torque and hoisting capacity required for raise boring and the speed required for production drilling. An onboard 100 hp screw booster compressor powers the ITH cluster hammer drill, delivering high output with minimal maintenance, all in a mobile package requiring minimal setup time.

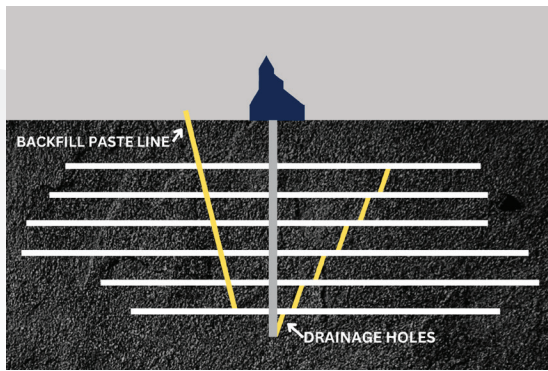
4 APPLICATIONS



1

PRODUCTION HOLES

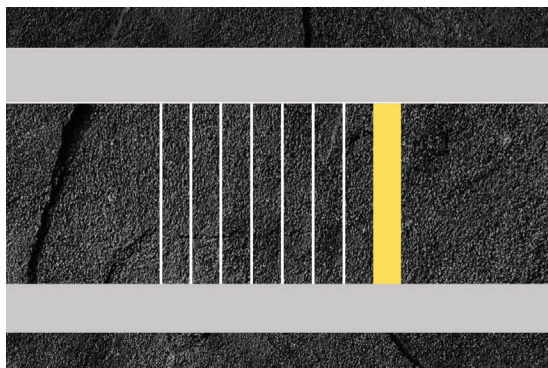
3.5" to 8.5" diameter holes



2

MAINTENANCE & SERVICE HOLES

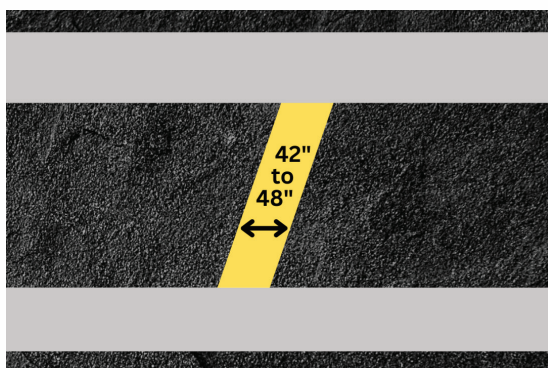
10" to 20" diameter holes



3

BLAST HOLE SLOT RAISES

20" to 30" diameter holes



4

MANWAYS/ESCAPEWAYS

42" to 48" diameter holes

CUSTOMIZE TO YOUR REQUIREMENTS

RaisePro can be customized for 30", 48" or 60" maximum hole diameters, with tracks or rubber tires, battery electric or diesel tramming, with robotic rod handling, and integrated safety systems based on customer requirements or mine location.



OPTIONS

- Battery-electric tramming
- Diesel tramming
(Included in tire mounted option)
- Autonomous robotic rod handler
- Tire Mounted with open or enclosed cab
- Alignment Laser / Indicator
- On-board Booster Compressor
(800cfm @ 350 psi)
- Tagalong Booster Compressors
(800 cfm to 2,000 cfm @ 350 psi)
- Fire Suppression System
- Automatic Lube System



RAISEPRO-48T

SPECIFICATIONS

OVERALL

- Tracked carrier, 2.2 mph max speed
- Gradeability 35% (20°)
- Electric motor (Tramming and Drilling) 75 HP
- Radio Remote Control
- 575 V/60 Hz/3 Phase supply
- Motorized Cable reel (130 ft)

MACHINE DIMENSIONS

- Weight 45,000 lbs
- Tramming Length 23 ft
- Width 7 ft
- Drilling Height 12 ft
- Tramming Height 9.6 ft

TOP DRIVE

- Maximum torque 24,000 lb·ft
- Rotation speed 1 – 81 rpm
- Slip plate and jaw breakout system

ONBOARD SCREW BOOSTER

- Oil-Flooded Screw Booster
- 800 SCFM @ 350 PSI
- Inlet condition of 80-100 PSI
- 100 HP electric motor

MAST

- Heavy mast with split centralizer
- Feed/hoist force: 40,000 lbs (true feed force)
- Maximum hole size: 48 in
- Drill pipe: 5.0 in x 5 ft (max)

POSITIONING SYSTEM

- Dump: -15° to +90°
- Swing: 360°
- SlideOver: 15 in
- Stingers: 2 x 70/30

SAFETY FEATURES

- Motor overload protection
- Tramming alarm
- Safety alarms and shutdowns:
 - Low water pressure
 - High/low hydraulic oil pressure
 - High compressed air pressure

SPECIALTY DRILLING SOLUTIONS

Borterra develops, services and upgrades the drilling solutions customers need, from hybrid drill rigs to complete monorail battery-electric drilling systems and much more. Here are just a couple of examples.

CASE STUDY



BORTERRA WS6000

SITUATION Alabama Power needed a 2-in-1 rig for embankment dam stabilization

SOLUTION WS6000 enables switching between water hammer drilling and sonic drilling at the push of a button, plus robotic rod handling

RESULT Fast machine, minimal ground impact, high level of safety



TOREX MUCKAHI

SITUATION Torex Gold wanted a more efficient, precise way to mine narrow ore bodies

SOLUTION The battery-electric ALTDRIVE Rail Locomotive travels on grades up to 30 degrees and can support 60-metric-ton loads

RESULT A battery-electric monorail locomotive that fulfills all transport needs



Archer Mining & Civil Services is proud to be a joint developer of and global distributor for MEDATech Borterra RaisePro. The Archer / MEDATech relationship traces its roots back to Winnipeg more than 30 years ago and has resulted in Archer Mining representing MEDATech's Borterra Drilling Division.

Both an integrator and OEM, Borterra is your go-to source for specialty drilling equipment. Satisfied customers include miners, exploration companies, utilities and construction firms who need equipment that's faster, safer, and more reliable. Borterra also offers drilling consumables and mobile equipment components, from Wassara Water Hammers to EPEC controllers.



Borterra core design objectives include:



Enhancing worker safety



Boosting productivity



Improving durability



Maximizing effectiveness through customized solutions

UNLEASHING POWER, PRECISION, AND VERSATILITY



MEDATECH
BORTERRA



ARCHER
MINING & CIVIL SERVICES INC.

RAISEPRO-48T

GROUNDBREAKING ITH-RAISE DRILL

**MEDATech
Engineering**

35 Sandford Fleming Dr.
Collingwood, ON L9Y 5A6
1 (705) 443-8440
sales@medatech.ca

**Archer Mining &
Civil Services**

111 Ellis Drive
Barrie, ON L4N 8Z3
1 (416) 522-9432
sales@archermining.com

Learn more:

MEDATech.ca/RaisePro
ArcherMining.com

Serving Customers Worldwide
Meet the Future of Underground Mining