

SNOW REMOVAL ATTACHMENTS

Snow and ice can be a challenge for road workers. Ballast Tool Equipment's new line of snow removal attachments can extend the performance and productivity of your machines.

BTE provides four different attachments:

The Snow Wing for Backhoes

- Blades rotate in or out at a full 180°
- Fully-extended wing has a 15' reach
- Perfect for larger parking lots, highway on and off-ramps or roads



The Two-Stage Snow Blower for Excavators

- Designed for big snow removal jobs
- Perfect for blowing through 4 to 5' snow drifts in a short amount of time
- Includes a telescopic chute with adjustable height and ready-pierced augers for optional icebreakers



The Cold Air Blower for Backhoes

- Exclusive BTE attachment featuring a hydraulically driven Buffalo Turbine
- Perfect tool when you need to remove stubborn snow from school parking lots and minor roadways



The Snow Broom for Excavators

- Plow feature quickly removes heavy snow
- Heavy-duty tips attached to the blade easily clear stubborn packed snow and ice
- Tips are equipped mechanical stops that control the depth of cut



BENEFITS

- Well built and powerful to get the job done quickly
- The mobility and flexibility saves your crew valuable time during inclement weather

COMPACT AIR COMPRESSORS

BTE carries a line of Twister compact air compressors from Airworks. The Twister line has many advantages – they are lighter in weight, easy to transfer, use less fuel, and perform at a very high level – all of which save your crew time and money.



T-100

- The world's first diesel-powered compact air compressor
- High-performance, fuel-efficient unit
- Perfect for almost any commercial application
- Lightweight and compact for easy transferability

T-235

- Diesel rotary screw air compressor unit
- Mobile or truck-mounted compact compressor
- Great for running multiple jack hammers and air tools
- Designed to keep roads, water mains, and equipment and service trucks clear from ice and snow



Maintenance Solutions for DOT & Road Work

BTE CULVERT CLEANER SYSTEM

The BTE Culvert Cleaner System is the only mechanically way to clean debris-filled culverts up to 140 feet in length, resulting in millions saved on road repair and downtime.

The system consists of the BTE-312 Excavator coupled with the BTE Culvert Cleaner drive and augers segments.

The BTE method is a completely dry process, removing the need for water or vacuuming. The Culvert Cleaner can clean out a 24" diameter culvert pipe that is 40 feet in length and 80% clogged in approximately 90 minutes, allowing your crew time to clean multiple culverts in one day!

The Culvert Cleaner is a cost effective system that aids in the prevention of flood damage and wash-outs on major or minor roadways, allowing crews more time to focus on other important road maintenance projects.

BENEFITS

- Mechanically cleans plugged culverts in hours. No high-pressure power washing required, so no environmentally unfriendly contaminated water to dispose. Easy to transport and operate with a small crew.
- Keeps the crew size efficient with a gang of three – two machine operators and one person on the ground overseeing the augers

FEATURES

- Precision operator control with multiple cameras allows viewing progress inside the culvert



ABOUT BTE



Ballast Tools Equipment (BTE) designs, custom builds, sells and leases durable, high-performance specialty equipment for department of transportation maintenance and road work.

BTE has drawn on over 30 years of railroad experience to pioneer and develop DOT and road work equipment and add-on components for excavators and backhoes, along with a host of specialty solutions. This includes a wide range of equipment, from large undercutters (with up to an 18' cutting length) to all-weather clean-up attachments that enhance your machines' performance. All of our equipment is heavily engineered and field tested to help ensure fast and smooth operation.

When speed and performance is critical, time is at a premium. Reliability is not just an option, but a necessity... it pays to have durable equipment to see you through. The BTE difference comes from an attention to detail in designing and building machines that perform – and last.

BTE UNDERCUTTER TECHNOLOGIES



BTE PIPELINE UNDERCUTTER

The BTE Pipeline Undercutter is the perfect balance of performance and power. It can take up to six people to hand dig out a section of 42" diameter pipe, but the BTE Pipeline Undercutter only requires one operator. This reduces manpower, saving time and money. And the undercutter is efficient – it can expose a 20-foot long section of 42" diameter pipe in less than 10 minutes.

BTE's powerful custom-engineered "Priority Valving System" allows the undercutter to crawl and cut at the same time, clearing pipes faster.

The BTE's Pipeline Undercutter depth gauge, carefully monitors the placement of the undercutter bar relative to the pipe to prevent contact.

Combining innovative engineering, quality manufacturing, the BTE Pipeline Undercutter brings safety, productivity and flexibility to your Pipeline maintenance program.



BENEFITS

- Speeds the dirt removal process for more efficient work when exposing pipelines for new coatings
- Eliminates hand digging under pipelines

FEATURES

- 360 degrees of rotation
- Adjustable depth gauge
- HDPE Plastic Shields prevent metal-to-metal contact with the pipe
- Attaches easily to most excavators



Hydraulic hoses are protected by a built-in box, which opens easily for daily inspection



The undercutter is lined with HDPE Plastic for increased safety preventing metal to metal contact with the pipe



The undercutter has a depth gauge to provide the operator a visual aid for clearance between bottom of pipe and top of the cutter bar



The undercutter cuts a smooth flat surface for ease of access for maintenance under and around the pipe

BTE ROAD BED UNDERCUTTER

The BTE Roadbed Undercutter mechanically removes base material under roadways for installation of stabilization filler material to repair sagging streets and highways.

Reduce:

- Impact to traffic flow
- Labor costs
- Material costs for depression repair



BENEFITS

- More efficient way to clear debris from road depression before repairs
- Power to handle any soil condition and sub-base

FEATURES

- Rototilt™ head allows a full 360 degrees of rotation and 40 degrees of tilt each side
- Heavy-duty radial piston cutter motor means more power in the cut

BTE MULCHER SYSTEM



Expand the capabilities of your excavator by adding a custom BTE mulching attachment! Ballast Tools Equipment will modify your machine's hydraulics to give the most power to the BTE Mulcher. With the heavy duty BTE fitted mulcher on an excavator, the system will make quick work of nuisance vegetation, clear embankments and trim branches. With horizontal shaft rotation and fixed carbide bit cutters, the BTE system is for high production mulching along right-of-ways.



BENEFITS

- Eliminates brush and branches which enhances visibility and safety. Increases productivity when controlling your vegetation environment

FEATURES

- The horizontal shaft and fixed carbide tooth mulcher gives superior performance and long-lasting wear life during operation

BTE ROTOTILT SYSTEM



Allow BTE to customize your machine to make it Rototilt™ ready! The Rototilt™ system allows almost all backhoe and excavator attachments a full 360 degrees of unlimited rotation, 40 degrees of tilt to either side of the machine, and a hydraulic quick coupler for fast change out of attachments, adding a cost-effective enhancement to any job. This reduces the need to reposition the equipment to change the working angle.

Increase productivity by positioning the machine's bucket or attachment in any direction without having to move the excavator, spending more time digging and less time repositioning.

The Rototilt™ can be fitted onto most backhoes and excavators from 1.5 tons to 20 tons in size.

BENEFITS

- Durable, versatile attachment
- The attachment can be rotated and tilted at the same time, making it simple to operate around or under obstacles and for any type of ground contouring
- The unique combination of continuous rotation and side tilt lets you operate in extremely tight work areas and approach your job from any angle



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