

TRENCHING

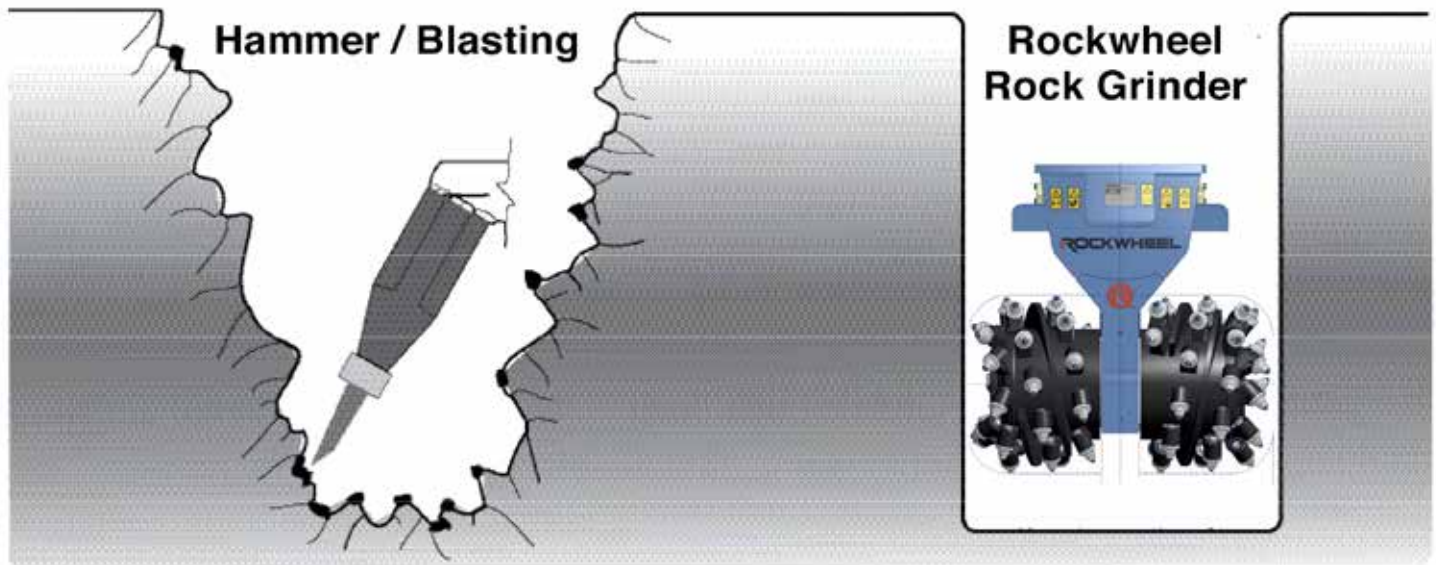
Rockwheel attachments are powerful and precise, able to create consistent and vertical trench walls. Additionally, the surrounding rock mass is not disturbed and because trench walls are vertical, regardless of depth, the volume of material excavated is minimized.

Benefits include usable backfill produced from grinding, little to no overbreaking, smooth trench bottom with easy grade control, and very low noise and vibration.



A grinder head can cut through several layers of rock, pavement, concrete and soil.

If a **cutter-bucket combination** is used the spoil from the grinder can be removed without use of a second machine or switching attachments. Our single-axial drum (on right) TC models are designed for 28" wide trenches and offer powerful trenching utility.



- ✓ Shock forces fracture surrounding rock
- ✓ Unstable trench walls
- ✓ Rough non-vertical trench walls
- ✓ Excess material is excavated
- ✓ Greater backfill costs
- ✓ Greater surface patching costs

- ✓ Higher Production
- ✓ Narrower Trench
- ✓ Smooth, Safe Walls
- ✓ Up to 50% less excavation Volume
- ✓ Cut material used for pipe bedding / backfill
- ✓ Lower vibrations / shock waves
- ✓ Lower Noise



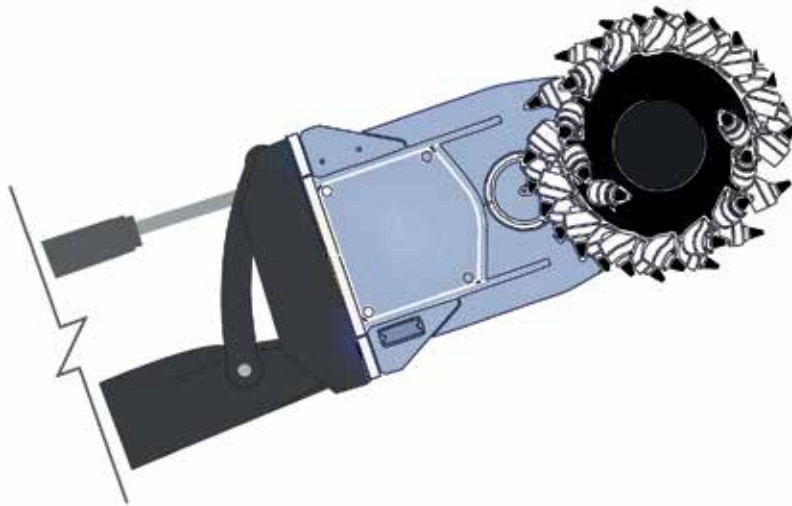
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SCALING

CONCRETE SCALING WITH THE ROCKWHEEL

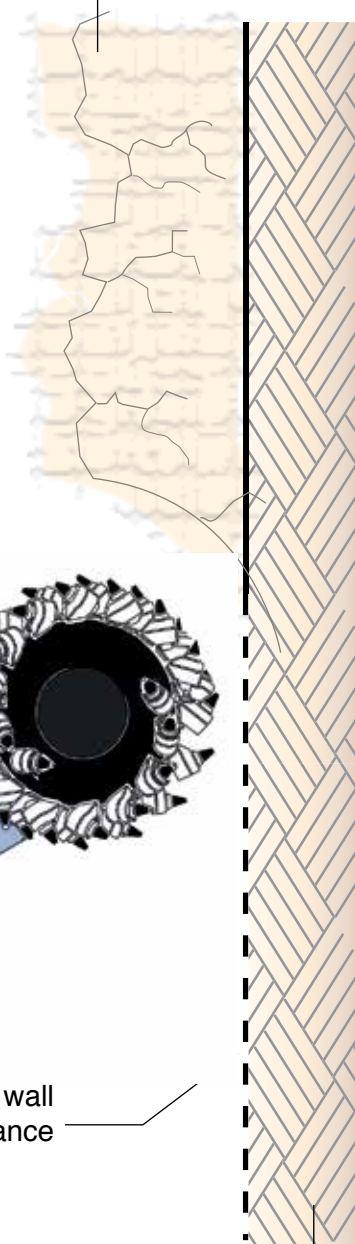
The impact angle between the tips of the cutter bits (picks) and the concrete surface does not exceed 45 degrees. The smooth, low-noise, low-vibration machining action of the bits neither destroys nor causes micro-cracks in the underlying sound concrete.

The Rockwheel can be used for rehabilitation of sensitive concrete structures such as foundations and bridge abutments and for excavation near lock gates.



Smooth wall
Cut to close tolerance

Shattered / cracked material



Sound and undisturbed material



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EXCAVATION

EXCAVATION WITH THE Rockwheel

The Rockwheel is an ideal tool for excavating soil, rock, asphalt and concrete. Its combination of cutting force and cutting precision make this an economical and efficient attachment. Our attachments have been used extensively in sensitive work sites with adjacent historical buildings, existing hospital construction work, and vital concrete structures like dams and abutments that require partial removal.

Excavating with a Rockwheels means you'll get the cutting force necessary for tough rock, with the precision to minimize overbreaking. The result is usable backfill that needs no further crushing, with tight tolerances to your site's specs. If you're looking for a low-vibration, productive excavation attachment, look no further.



Concrete debris from a Rockwheel G5



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FOOTERS

FOOTER EXCAVATING with the ROCKWHEEL

Rockwheels are incredibly powerful attachments that can handle grinding and cutting most types of rock. The design and power give the transverse cutterhead the ability to make precise trenches and footer excavations. Precision cutting minimizes machine time, backfill and concrete volume, reducing costs and saving money.

Our cutterheads offer highly accurate grinding in and around tight spaces and existing utilities; ability to cut through the most difficult rock. The attachments are ideal for footing excavation in sensitive areas or in close proximity to existing structures due to both precision cutting and low vibration, compared to a typical hammer attachment.

Rockwheels offer the ability to excavate to tight tolerances, perfect for footings and other precise trenching operations.



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DEMOLITION

DEMOLITION WITH THE ROCKWHEEL

The Rockwheels low vibration grinding head offers a powerful and precise demolition tool with little to no over breaking. The robust cutting drums can shred concrete and rip rebar. Cut debris is typically gravel-size, making reuse on site as backfill or transportation easy and efficient, with no further crushing needed to create a usable product.

Our cutterheads offer world-class power with less environmental intrusion including noise and vibration, making Rockwheels a smart choice for sensitive-area demolition work.



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UNDERWATER GRINDING

SUBMERGED GRINDING WITH THE ROCKWHEEL

Rockwheels are built not only to withstand the rigors of hard rock cutting and grinding, but can also easily be fitted for underwater work. Our fully waterproof system has been proven effective in submerged excavating in fresh and salt water.

With a completely enclosed system, Rockwheels grinding attachments are a workhorse for shallow to deep water footer excavation, trenching, waterway deepening and exploration. If you need to move rock underwater, we can help. Whether you have a custom rig like the one pictured on the right, or a standard excavator on the shore or on a barge, Alpine RockWheels are a powerful, precise and effective tool for underwater grinding.

We also offer custom extended booms and other customized features to meet your demanding projects.



This custom exploration rig with two D15 worked at 6500' depth!



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SOIL MIXING

ROCKWHEEL HAS SOIL MIXING COVERED

Rockwheels complete line of transverse, in-line (axial), and dual-axial blender mixing tools can handle wet and dry mediums.

Mixing machines are customized for each project with optimized power output, reagent systems and mixing picks/paddle.



AX-E110 mixing a reagent



M-C2-B5 ready to mix



Alpine mixer w/extension boom



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CONCRETE CUTTING

CONCRETE CUTTING WITH THE ROCKWHEEL

Rockwheels have both the precision cutting and power needed to be the most effective and accurate concrete cutter on the market. Whether your project involves scaling concrete walls, abutments or dams, or wholesale concrete cutting, Rockwheels line of cutter heads have a proven record helping contractors reach efficient and highly productive work rates.

Our customers use all sizes of cutter heads for concrete scaling and rehabilitation, dam rehab, bridge work, road repair, utility installation and repair. Whether the project calls for scaling 3" or a complete demolition, Rockwheel Cutter heads are powerful and precise tools.



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TUNNELING

TUNNELING WITH THE ROCKWHEEL

Rockwheels have successfully completed various tunnel expansions and new tunnel construction for a variety of uses. From railroad tunnel enlargement to wine cave tunneling, Rockwheel is the go-to attachment. With a wide range of Rotary Cutterhead sizes, Rockwheel can outfit any of your machines to accommodate small tunnel work with skid steer loaders, Brokks, mini excavators, and backhoes to large excavators or other hydraulic-ready carriers.

The cutterhead attachment offers you flexibility in articulation with the power and precision to accurately excavate tunnels in rock.



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ASPHALT GRINDING

ASPHALT GRINDING WITH THE ROCKWHEEL

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