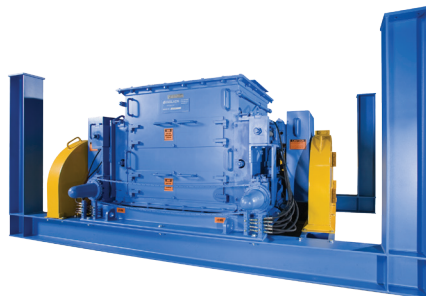


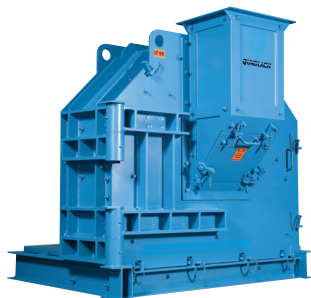
Uniform crushing and precise sizing with less fines.



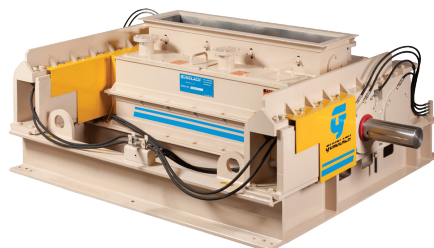
4000 Series Roll Crusher



2000 Series Roll Crusher



Cage-Paktor® Cage Mill



Nanosiz-R® Roll Mill

Features/Advantages



For 50 years, Gundlach Crushers has been the brand of choice for companies needing reliable equipment to crush and size potash with minimum fines and maximum yield. Regardless of the type of application, TerraSource Global's customers trust the technical expertise of our engineering teams to find the right three-dimensional Gundlach Potash Crusher solution for the job.

Why Gundlach Crushers for Potash?

- The heavy-duty design of our Potash Crushers can easily handle any sort of wet, dry, hot, cold, sticky, hard and abrasive applications ranging from run-of-mine material through final sizing. Dozens of roll configurations are available to meet your crushing needs.
- Heat-treated, forged alloy steel is built to tolerate the extreme forces of crushing.
- Crusher housings are split into four- or eight-piece sections for easy removal and maintenance. Heavy structural steel plates with lifting lugs are provided for safe handling.
- Standard dual-bulkhead lubrication system groups all grease fittings in two convenient locations. In addition, both semi- and fully-automatic systems from a single grease source are available as options.
- Enclosed roll timing gearbox is engineered for easy removal and maintenance and allows use of intermeshing teeth for uniform 3-D sizing and the most cubical product of any crusher manufactured.

See other side for more information about the Gundlach Crushers models illustrated above.

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Equipment Models

4000 Series Roll Crusher

Designed to produce high product uniformity with less fines, these single-stage, two-roll and two-stage, four-roll crushers for raw potash ore offer the following advantages:

- Lower operating and maintenance costs.
- More saleable and profitable crushed products.
- Dependable on-stream reliability.
- Ease of maintenance.
- Flexible machine configurations for maximum control of product size.
- Nitroil® Adjustment and Tramp Relief System for changes of output size during operation.

2000 Series Roll Crusher

Constructed to break and size flake from the potash compactor, these single-stage, two-roll and two-stage, four-roll crushers offer the following:

- Dozens of roll designs to meet your potash crushing needs.
- Low horsepower-per-ton ratio to minimize power requirements and operational costs.
- Adjustment system to allow changes of output size during operation.
- Grease fittings located in two convenient locations due to dual-bulkhead lubrication system.
- Coupling mounted rolls for quick and easy replacement.
- Machine configuration for optimal control of product oversize.

Cage-Paktor® 1C3R Cage Mill

Used for polishing and sizing oversize flake and ore discharged from potash screens, this crusher offers better yields than hammermills while providing the following benefits:

- Sizes 100 mm feeds to 2 mm product.
- Horsepower required is in direct proportion to the work required.
- Replaceable wrap-around striking plates offer increased tonnage life and wear protection.
- The striking plate maintains the desired product size during the life of the plate.
- Swing-away door gives immediate cage access without the need to remove components.
- An optional on-board cage jack allows cage removal without the need of overhead cranes or extra help.

4000 Series Perfect for raw ore

2000 Series Excellent for breaking and sizing flake

Cage-Paktor® Size flake and ore for better yields than hammermills

Nanosiz-R® Excellent for precision grinding for polishing/glazing

Nanosiz-R® Roll Mill

Used for polishing, glazing and sizing oversize potash material discharged from screens, this bimodal crusher (shear and compression) features:

- High tonnage crushing capacity — up to 40 tons per hour.
- Low capital and energy costs.
- Small footprint compared to other equipment.
- Ability to be grouped with other units to achieve greater reduction rates.
- Heavy-duty steel construction and alloyed iron rolls.

Note: Individual sell sheets containing full descriptions, illustrations, dimensional drawings and specifications for each of the equipment models described above are available. Contact your TerraSource Global representative.

Complete Application Assistance

TerraSource Global's experienced engineers and service professionals are available to provide complete application assistance, test facilities, customer service and more for every Gundlach unit still in operation. Our engineers utilize fully-equipped test facilities to analyze your requirements, perform complete tests on your material samples and provide you with a comprehensive test results report.

Parts Inventory

We are committed to providing our customers with the timely service and replacement parts they need to keep their operations running smoothly and their down times to a minimum.

Contact TerraSource Global to find out more about how we can be the right partner for your sizing and handling needs.

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