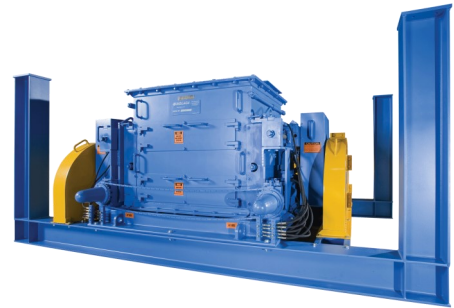


*Precise. Durable. Efficient.*



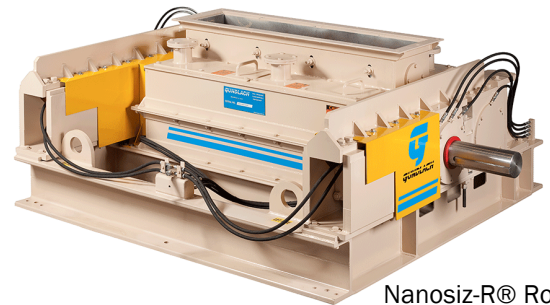
4000 Series Roll Crusher



2000 Series Roll Crusher



Cage-Paktor® Cage Mill



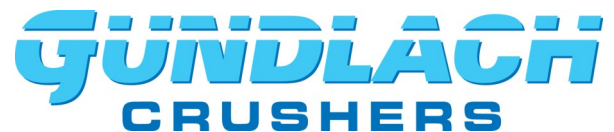
Nanosiz-R® Roll Mill

## Leading mining producers choose Gundlach Crushers

Gundlach Crushers—a TerraSource Global flagship brand—started sizing potash in North America in 1967 and continues to strengthen its position as the most reliable and cost effective line of equipment for potash crushing and sizing, with minimum fines and maximum yield.

Gundlach was a major player during the rapid expansion of the potash industry in 1997. Earning its position as first choice among engineers, Gundlach crushers are called on to size potash on the compaction side of plants as well as potash ore on the wet side.

As the world demand for potash continues to increase and producers look to efficiently ramp up their output, customers continue to rely on TerraSource expertise and experience for developing the precision Gundlach crushing solutions for their unique potash applications.



## Features/Advantages

- The heavy-duty quality of our machines provides proven results in wet, dry, hot, cold, sticky, hard and abrasive applications ranging from run-of-mine material to final sizing. Dozens of roll configurations are available to meet customer needs.
- Our standard dual-bulkhead lubrication system groups all grease fittings into two convenient locations. In addition, both semi- and fully-automatic systems from a single grease source are available as options.
- The enclosed gearbox is engineered for easy removal and maintenance and allows use of inter-meshing teeth to create the most cubical product of any crusher on the market (3D sizing).
- TerraSource only uses heat-treated, forged alloy to tolerate the extreme forces of crushing.
- Our crusher housings are split into four or eight-piece sections for easy removal and maintenance. Steel plates with lifting lugs are provided for safe handling.

# Equipment Models

**4000 Series** Perfect for raw ore

**2000 Series** Excellent for breaking and sizing flake

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

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

## 4000 Series Roll Crusher

Producing 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
- 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

Excellent for breaking and sizing flake from the potash compactor, these single-stage, two-roll and two-stage, four-roll crushers offer numerous benefits:

- Dozens of roll designs address multiple types of potash crushing needs
- Low horsepower-per-ton ratio means low power requirements and less operational costs
- Adjustment system allows changes of output size during operation
- Dual-bulkhead lubrication system puts grease fittings into two convenient locations
- Rolls are coupling mounted and can be replaced in hours
- Machine configuration enables the best control of product oversize

## Nanosiz-R® Roll Mill

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

- High tonnage crushing capacity – up to 40 tons per hour
- Low capital and energy costs
- Small footprint compared to other equipment
- Ability to achieve greater reduction ratios (with multiple units)
- Heavy-duty steel construction and alloyed iron rolls for maximum performance and durability

## 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:

- 100 mm feed can be sized to 2 mm product
- Required horsepower is in direct proportion to the work being performed
- Replaceable wrap-around striking plates offer increase tonnage life and wear protection.
- 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

Individual sell sheets are available that contain full descriptions, illustrations, drawings and specifications for each of the models described above. Contact your TerraSource Global representative.

## Application Assistance

TerraSource Global provides complete application assistance, test facilities, and customer service. Every Gundlach unit operating today is supported by our experienced engineers and service departments.

Engineers at our fully-equipped test facility can analyze your requirements, perform complete tests on your material samples and provide you with a comprehensive test results report.

## OEM Parts on Hand

Protecting you from costly delays and downtime is priority number one. We work hard to make sure our inventory of precision, factory-spec parts are in stock and available when you need them.

For parts or service, please contact our Customer Service team at (855) 483-7721.

**TERRASOURCE®**  
GLOBAL

OUR FLAGSHIP BRANDS

**GUNDLACH**  
CRUSHERS

**JEFFREY RADER**

**Pennsylvania**  
Crusher

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