

GÜNDLACH

Roll Crushers 1000 Series

First in
3-D
CRUSHING

Accu-Grind™



1000 Series



It's the Gundlach Accu-Grind™ for Low-Tonnage Crushing and High Reduction Ratios in a Small Footprint!

For efficient low-tonnage crushing with a high ratio of reduction, there's no better equipment choice than the Accu-Grind, another innovative first from Gundlach! Thanks to its compact design, it's perfect for applications with limited-size installation requirements. Even with its small footprint, Accu-Grind offers a large reduction ratio up to 16:1. It's also ideal for sampling applications. Plus, our crusher is versatile enough to handle feeds up to 100 mm, as well as eliminate lumps in agglomerated material.

Accu-Grind
Single-Stage,
Two-Roll
Crusher with
Pre-Breaker



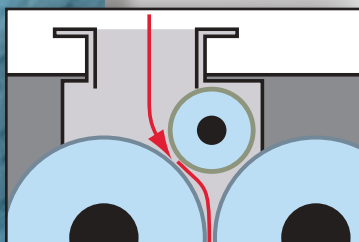
Proven Results with the Right Roll Configuration

The Accu-Grind delivers proven results in wet, dry, hot, cold, sticky, hard and abrasive crushing applications.

And Gundlach's innovative roll designs are the key. Whatever your crushing needs, we offer different roll configurations that are thoroughly tested to ensure proper sizing, durability and consistency.



Material first
passes through the
pre-breaker before
continuing on to the
lower two rolls in
the Accu-Grind.



Compact Yet Packed with Features that Deliver Value and Drive Performance.

From top to bottom, Accu-Grind is uniquely designed for efficiency and reliability for virtually any small-tonnage crushing application and it brings big benefits to your operations:

Low-Tonnage Crushing

Accu-Grind easily handles feeds up to 75 mm, reducing to 6 mm product at up to 20 metric tons per hour.

Economical

Accu-Grind requires less horsepower for operation, so it's energy-efficient and economical.

High Ratio of Reduction

To accommodate a variety of crushing applications, the crusher achieves reduction ratios up to 16:1.

Compact Design

Compared to similar equipment, Accu-Grind has a much smaller footprint. Its base is less than 1.5 square meters, making it well suited for smaller space applications.

Ideal for Sampling

Low tonnage, low power allows continuous sampling applications.

Versatility

Special roll designs are available for various applications.

Trouble-Free Operation

There are no screens to clog for simple, problem-free operation.

Cleaner Work Environment

Compared to impact crushing, Accu-Grind creates much less dust resulting in a cleaner work area.

Choose a 1000 Series Roll Crusher from Gundlach for Precision Crushing in an Industrial Environment.

A complete, ready-to-install unit specifically designed to fill the requirements for low to medium capacity crushing up to 20 metric tons per hour. The 1000 Series is ideal for a wide range of applications including continuous sampling systems in industrial power plants and coal handling facilities.

- Two-roll crushing action gives better product dimension control compared to single roll crusher designs
- Grease lubrication for simplicity and long life
- Capacities up to 20 MTPH
- Product size to 6 mm
- Typically a 4:1 ratio of reduction
- Simple V-belt drive and two-motor design gives positive power to each roll
- Modular style base structure under the crusher and motors
- Housing is easily removed for roll maintenance



1000 Series Single-Stage, Two-Roll Crusher

Unique Engineering Features Offer Big Savings.

Completely Assembled

Arrives with base, motors, drives and guards in place to reduce installation expense. Just wire it and go!

Simplified Two-Motor Drive System

Eliminates gearbox maintenance

Rugged Construction

Longer service life in severe operating conditions

Exclusive Segmented Rolls in Various Tooth Configurations

Designs are custom-matched to the application and are easily maintained without skilled manpower.

Designs are Available for Hot Applications that Easily Withstand Ash Temperatures up to 350°C.

1000 Series Ash Crushers are designed with high temperature features, such as:

- High temperature paint
- Steel lubrication lines
- Extra space between bearings and housing
- Heat barriers located at bearings



Sprocket Tooth Roll Combination



Herringbone and Smooth Roll Combination

Gundlach's 1000 Series has Proven Results with Rolls Designed for Difficult Crushing Applications

The innovative roll designs found on the 1000 Series are the key to solving your crushing challenges. Gundlach roll crushers are offered in many different roll configuration options, with each configuration thoroughly tested to ensure proper sizing, consistency and durability.

Coarse Crushing Specifications

- Handles feeds up to 100 mm (4")
- Output sizes as small as a nominal 19 mm (.75") x 0 product
- Segmented roll designs available in a wide selection of tooth configurations and abrasion-resistant materials for rugged performance and long life

Fine Crushing Specifications

- Handles feeds up to 30 mm (1.25")
- Output sizes as small as a nominal 6 mm (.25") x 0 product
- Smooth rolls and corrugated rolls available
- Corrugated roll teeth are "herringbone" design and hard-faced for long-lasting service

Materials Crushed

- **Coal:** clean coal, lignite (brown coal), bituminous, sub-bituminous, and Anthracite
- **Ash:** ash temperatures up to 350°C
- **Lime:** burnt lime, ag lime, hydrated lime
- **Coke:** petroleum coke, metallurgical coke, green or calcined
- **Glass:** glass cullet
- **Fertilizer and Potash:** MAP, DAP, potash ore and flake among others
- **Salts:** rock salt, solar salt, KCl, NaCl
- **Friable Materials:** ash, boiler slag, nut and nut shell

Complete Application Assistance

Gundlach provides complete application assistance, test facilities, customer service and more. In fact, every Gundlach unit operating today is backed by our experienced engineering and service departments. Our engineers utilize fully-equipped test facilities to analyze your requirements, perform complete tests on your material samples, and provide you with a comprehensive results report. These tests are performed by an independent world-leading testing service to provide complete and accurate information to ensure you're selecting the best equipment for your application.

Parts Inventory

Protecting you from costly delays and downtime is one of our top priorities at Gundlach. Our inventory includes the key components and parts needed to keep your operations on-line.

Contact a Gundlach Representative Today.



GUNDLACH

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