

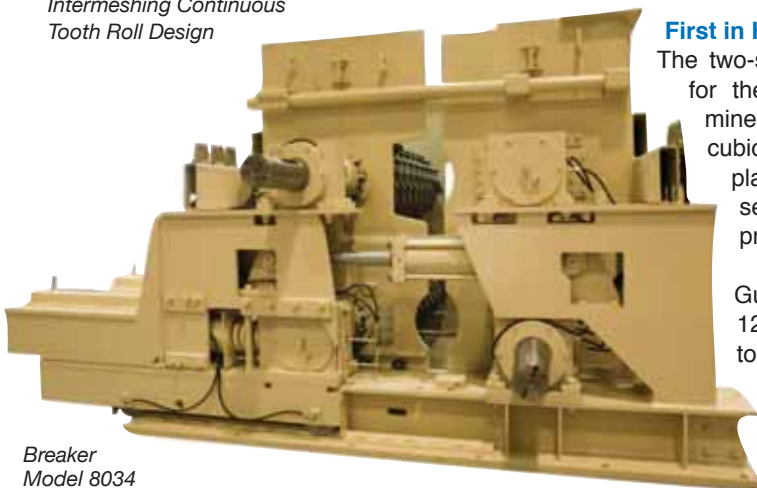
Gundlach Crushers: First in Coal



The First Crusher



Intermeshing Continuous Tooth Roll Design



Breaker Model 8034



Founded in 1923, Gundlach is a global manufacturer of field-proven crusher solutions that are designed specifically to meet today's coal product requirements.

First Single-Stage Two-Roll Crusher for Coal Mines

With its first crusher design in 1948, Gundlach focused on the specific crushing needs of the coal mining industry. Gundlach's first single-stage, two-roll crusher transformed how coal mines size product to meet market demand by economically breaking 50 mm coal to 19 mm pieces in a single pass.

First Two-Stage Four-Roll Crusher for Coal

Gundlach then designed the first two-stage, four-roll crusher, which for the first time could take run-of-mine coal and crush it to 19 mm size. These roll crusher designs reduced the complexity of the coal sizing operation, lowering installation and operation costs.



First and Only 3-D Crushing

The Gundlach roll crusher is the only device able to provide control over product size in all three dimensions. This 3-D crushing capability delivers higher quality product, less fines and consistently repeatable performance.

All Gundlach roll crushers and breakers are available with Gundlach's breakthrough 3-D crushing technology, with intermeshing continuous tooth roll design and positive roll timing that delivers the industry's best dimensional product control, fewer fines and elimination of over-size material.

First in High Tonnage Breakers in the Powder River Basin

The two-stage, four roll Gundlach breaker was designed specifically for the high tonnage production requirements of Western coal mines in the Powder River Basin. Gundlach breakers produce a cubical product with less fines and the uniform sizing that power plants demand. The two-stage design eliminates the need for secondary crushing and extra handling, while reducing coal to precise, market ready product requirements.

Gundlach two-stage, four-roll breaker models are available up to 120" wide with 48" diameter rolls and capacities from 2,000 TPH to 10,000 TPH with up to 24:1 reduction sizing.

First in Roll Crusher Tramp Relief and On-the-Fly Adjustment

Gundlach's exclusive Nitroil® control system is designed for applications where tramp or uncrushable materials occur in the feed or when material requires high roll forces. The relief system reacts as a quick-action "shock absorber" and can adjust up to 24." It also protects rolls from damage. Product sizing can be adjusted without stopping the unit.

First in Service and Design for Easy Maintenance



shaft-within-a-shaft-design

Gundlach services its crushers in the field and designs them for easy maintenance. Breaker and roll crusher housing assemblies are fabricated in sections for fast access to upper and lower rolls. Gundlach also supplies the roll removal rail to roll out crusher rolls, which can be removed without disturbing the main bearings or drives.

With its Cage-Paktor® cage mill design, Gundlach moved both drives to one side of the machine using a revolutionary shaft-within-a-shaft design. This feature leaves one side of the mill fully exposed for easy maintenance of the cages and the housing liners, the only wearing areas of the machine. Hours of drive removal, realignment, and set up time are eliminated.

First in Upgrading Lesser Grade Coal

Gundlach is a leader in crushing technologies that make use of lesser grade coal, such as crushing and briquetting or pelletizing of coal, or crushing of lignite and other lower ranked coals for coal gasification. In both cases coal is sized to 6 mm, 3 mm, or less.

Crusher Solutions Down to 1600-Micron Product

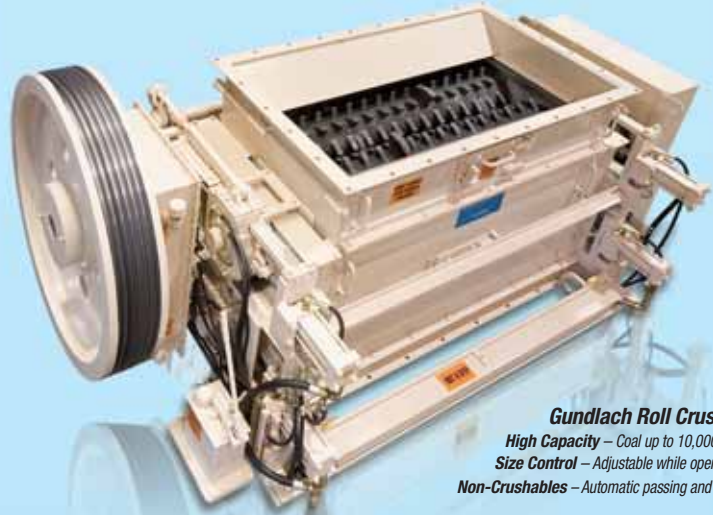
Gundlach makes a number of different crusher types to size product to a desirable output, including roll crushers and breakers for primary and secondary crushing of product down to 10 mm, the Cage-Paktor cage mills for particle sizing below 10 mm, the NANOSIZ-R® bi-modal crusher for 19 mm feeds to 1600-micron product, and the Accu-Grind small tonnage crusher.



Cage-Paktor® Model 75B

Visit Us At Bluefield Booth #2303

Right Size. Maximum Yield. Minimum Fines. Every Time.



Gundlach Roll Crusher
High Capacity – Coal up to 10,000 TPH
Size Control – Adjustable while operating
Non-Crushables – Automatic passing and reset

That's a Gundlach Roll Crusher.

When precise coal product sizing with fewer fines and maximized yield is important, Gundlach Roll Crushers get it right. Every time. Every day. Day after day. And with its patented Nitroil® Adjustment and Relief System, Gundlach Roll Crushers even let you produce different sized, precisely sized product on-the-fly.

Find out why Gundlach Roll Crushers and CAGE-PAKTOR® cage mills are the preferred crushing solutions for coal, potash, salts and lime.

Learn more at www.Gundlach.us/cpm

Precise Product Sized for Maximum Yield

GUNDLACH
CRUSHERS

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See Gundlach Equipment Corporation at the 2009 Bluefield Coal Show, Booth #2303.
 For more information or to schedule a material test in the Gundlach test lab, call toll-free at 1-877-486-3522 or visit www.GundlachCrushers.com.

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