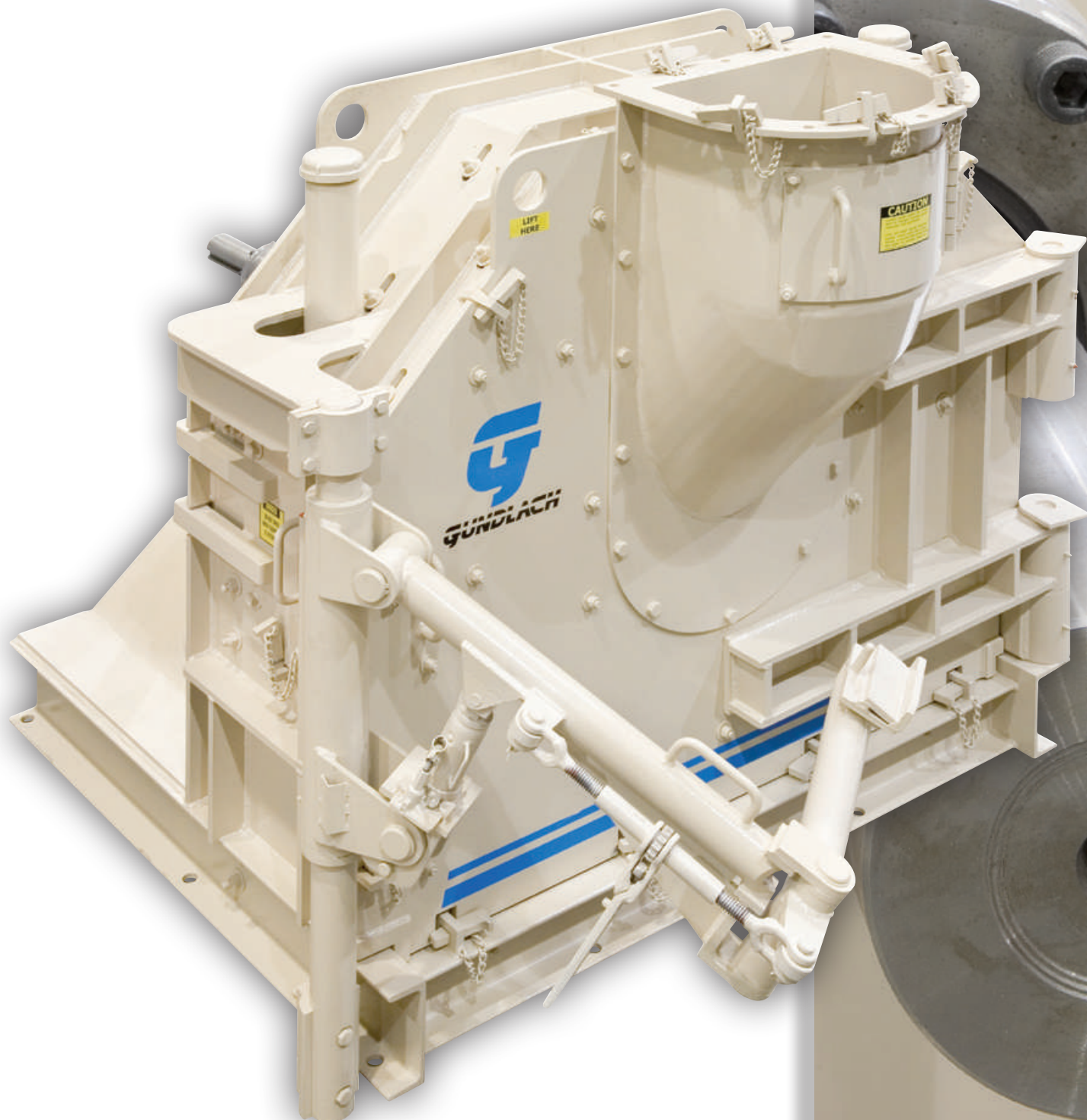


GÜNDLACH

CAGE-PAKTOR® 2C4R

First in
3-D
CRUSHING



CAGE-PAKTOR®
shown with
optional
cage jack.

The CAGE-PAKTOR® Cage Mill

Designed for Lowest Product Oversize, Highest Product Yield and Best Crushing Efficiency

Versatility

Sizes 100 mm feeds to 2 mm product.

Uniform crushing

Materials with sufficient mass are crushed while already-to-size materials pass through a CAGE-PAKTOR.

Economy

Economical design requires no screens and only crushes oversized material. More selective crushing reduces power requirements and operating costs.

Compact

Unique design requires less floor space.

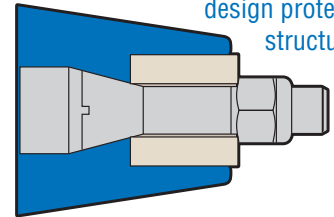
No adjustments needed

The striking plate maintains desired product size during the life of the plate.

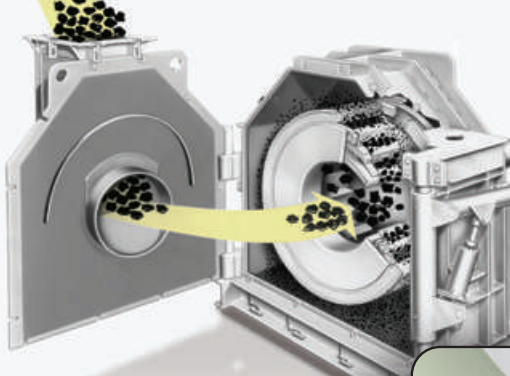
Easy maintenance

Swing-away door gives immediate cage access without the need to remove components.

Wrap-around strike plate (blue)
design protects
structure.



Material first enters (shown in yellow)
through the low-friction input chute.



How the CAGE-PAKTOR Cage Mill Works

Crushing in the CAGE-PAKTOR is controlled by two key factors—the mass of the particle and the velocity at which the particle is hit. The CAGE-PAKTOR utilizes multiple rows of impact bars to offer selective stages of impact reduction. The beauty is in its simplicity—operating speed (rpm) is the only factor that affects product size. Only particles large enough in mass are affected as they pass through the counter-rotating cages.

Already-to-size particles produced from previous stages of reduction are not reduced; therefore less fines are created.

Meanwhile, the multiple stages of crushing inside the CAGE-PAKTOR minimize product oversize, achieve greater crushing efficiency and produce more product in the size range desired.

Product enters first row from center input chute.

Moving rows of strike plates impact product.

Row 1
clockwise

Product enters next row and is impacted by strike plates moving in the opposite direction at a higher velocity. Only the oversized product is reduced.

Row 3
clockwise

Row 2
counter-clockwise

Row 4
counter-clockwise

Oversized product continues to be reduced as it travels through rows of counter-rotating strike plates moving at ever-increasing velocities.

Product exits CAGE-PAKTOR at desired finish size.

Gundlach Puts Both Drives on One Side, Minimizing Costs and Maximizing Productivity

More “Selective” Crushing Equals Less Horsepower

The CAGE-PAKTOR “selectively” crushes your material. Already-to-size particles pass through the crusher without major effect. Horsepower required is in direct proportion to the work performed by the crusher. More selective crushing reduces horsepower requirements. **The result: Lower operating cost.**

Constant Material Processing Control

Through its design, CAGE-PAKTOR controls the path of material as it passes through the multiple stages of impact. Gundlach’s patented striking plate design maintains desired product size during the life of the plates.

The results: Adjustments for wear are unnecessary resulting in constant processing control.

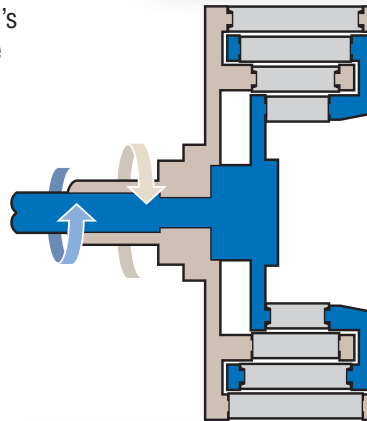
Exclusive Shaft-Within-a-Shaft Design Makes for Small Footprint and Easy Maintenance

- Shaft-Within-a-Shaft design makes the CAGE-PAKTOR an exceptionally compact cage mill. In addition to taking up less floor space, this exclusive design keeps the motor(s) to one side, making the CAGE-PAKTOR the industry’s easiest-maintenance cage mill.
- The swing-away door opens without removing any components to give immediate cage access.
- Overhead cranes and extra help are eliminated to remove cages for repair with an optional cage jack.
- Replaceable “wrap-around” striking plates offer increased tonnage life plus wear protection to the structural members and are replaceable without dismantling any other components.
- Gundlach provides connections for optional Air-Cannon System. This keeps even the stickiest material from building up and clogging the CAGE-PAKTOR.

With these features Gundlach’s CAGE-PAKTOR is the first cage mill to make cage replacement fast and easy. Only Gundlach’s exclusive cage mill design saves you hours of labor by eliminating drive removal, realignment and setup.



Multiple rows of impact plates (grey) are mounted on counter-rotating elements (tan and blue).



Shaft-within-a-shaft design is a Gundlach exclusive.



An optional cage jack is available to aid in cage removal.

Swing-away door provides immediate access for cage replacement in hours.

Gundlach CAGE-PAKTOR Cage Mills

Proving their Superiority at Major Processing Companies Worldwide

Application

End Product

Coal for coke oven feed	90% minus 6 mesh
Crushing & mixing (lead sinter & concentrate)	Minus 1/4"
Coke breeze for sinter fuel	90-92%, minus 1/8"
Green petroleum coke	Minus 1/4"
Metallurgical coal to free sulfur	Approx. 6 mesh
Limestone for ag lime	Minus 8 mesh
Trap rock for roofing granules	Max. 10 x 35 mesh (60% yield)
Coal refuse prior to pumping	Minus 1"
Potash ore prior to flotation	Minus 8 mesh
Compacted potash flake	Max. 6 x 14 mesh
Phosphate tailings	Minus 20 mesh
Cement pellets	Minus 200 mesh

Application

End Product

Graphite	Minus 6 mesh
Calcined petroleum coke	6 (max.) x 35 mesh (70-75% recovery)
Sea coal	Minus 30 mesh
Coke breeze	Minus 20 mesh
Salt	Max. 3/8" x 30 mesh
Iron ores for sintering	Minus 1/4"
Power coal, roller-mill feed	Minus 1-1/4"
Solar salt	Minus 30 mesh
Glass	Minus 30 mesh
Potash middlings	Minus 3/8"
Gypsum	Minus 1/4"

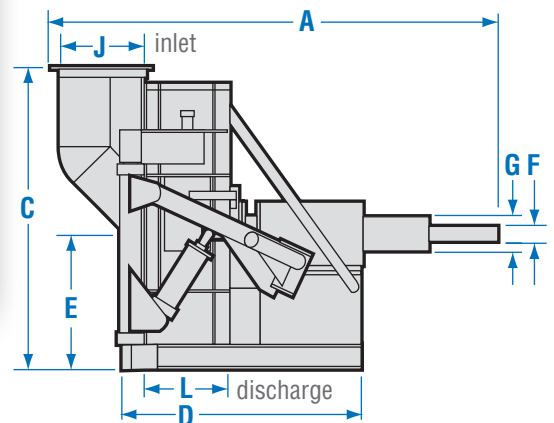
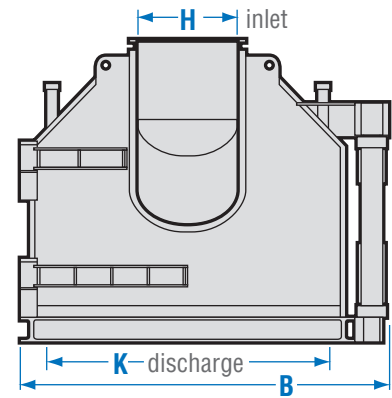
Excelling in Applications that Require Various Product Sizes:

- **Calcined Anthracite** • **Coal Middlings** for ash and sulfur separation
- **Closely-Sized Fine Limestone** for glass manufacture and poultry feed supplement
- **Coal** for cyclone boiler feed, FB boilers, fuel injection into blast furnaces, and pipeline feed
- **Coke Breeze** for recycle to coke ovens • **Fertilizer** • **Glass Sand** • **Iron Ores** • **Lightweight Aggregates**
- **Limestone** for FB boilers • **Metal-Bearing Ores** • **Refractory Materials** • **Silica** • **Sintered Fly Ash**
- **Slags** • **Stone Sand** • **Tailings**

CAGE-PAKTOR 2C4R Cage Mill Specifications

Opposed Shaft Designs and Laboratory
Size Units are also available.

Model	40"		50"		60"		75"	
Dimens.	mm	in.	mm	in.	mm	in.	mm	in.
A	2261	89	2845	112	3937	155	4140	163
B	1727	68	2083	82	3226	127	3404	134
C	1626	64	2007	79	2616	103	2819	111
D	1372	54	1727	68	2235	88	2235	88
E	737	29	914	36	1168	46	1270	50
F	74	2.9	97	3.8	137	5.4	137	5.4
G	165	6.5	201	7.9	325	12.8	325	12.8
H	356	14	533	21	660.4	26	838	33
J	356	14	483	19	533	21	737	29
K	1422	56	1778	70	2464	97	2667	105
L	457	18	610	24	737	29	737	29
Weight	kgs	lbs.	kgs	lbs.	kgs	lbs.	kgs	lbs.
	4,105	9,050	7,462	16,450	16,136	35,500	19,732	43,500



For more information,
contact your Gundlach
representative today!

GUNDLACH

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