

TAKRAF[®]



COAL GRANULATORS

Optimal solutions for comminution

Innovation out of tradition – It pays to talk to a specialist!

TAKRAF Group, through its established and well-known brands, TAKRAF and DELKOR, provides innovative technological solutions to the mining and associated industries. We leverage our experience, acquired over more than a century, to provide equipment, systems and services that best satisfy our clients' mining, comminution, material handling, liquid/solid separation and beneficiation requirements. Owners and operators around the world trust our engineered solutions to lower the total cost of ownership and reduce environmental impact by improving efficiency with safe and reliable equipment. For sustainable solutions backed by expert service you can rely on TAKRAF Group. Visit us at www.takraf.com.

COAL GRANULATORS

Coal Granulators have a reputation for quality, performance and a long and efficient service life, which can be ascribed to their many unique features and systematic refinements to conventional crusher features.

Produces sized product with a minimum of fines

Unlike ordinary hammer mills, Coal Granulators do not generate a high proportion of fines, as the coal is not shattered by hammers but broken up by floating, rolling rings of hardened steel.

Externally adjustable screen plate

To maintain correct product size, the screen cage is adjustable to compensate for wear. The adjustment is performed easily using external screw mechanisms.

Available with bypass chutes for pre-sized material

When sized coal is fed through the coal handling system, the optional bypass chute on the granulator permits the coal to flow directly past the cage assembly to the discharge opening, without going through the crushing chamber. This avoids unnecessary wear of the crushing components.

Integral tramp iron removal facility

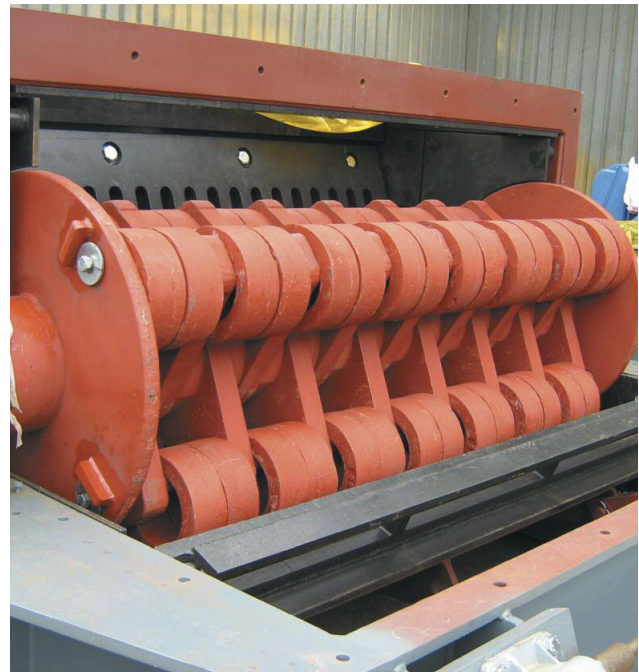
Rock and other undesirable debris is removed from the crushing cycle via the integral tramp iron trap. This protects the Coal Granulator from uncrushable material that can then be regularly cleaned out through the access door.

Handles wet or dry coal

The Coal Granulator has been specifically designed to handle wet and fine coal. The screen cage of the granulator resists plugging because of the very high ratio of open area provided by the screen slots. This allows the machine to handle the most difficult or sticky feed material without a problem.

Easy access

Service and maintenance features offer continual cost savings. An absolute minimum of downtime is required for servicing as quick and easy access is provided to all internal components through the rear quadrant opening. The fully lined frame has easily replaceable bolted liners.



COAL CRUSHERS

Coal Granulators are sold under license from Terrasource Global Corporation.

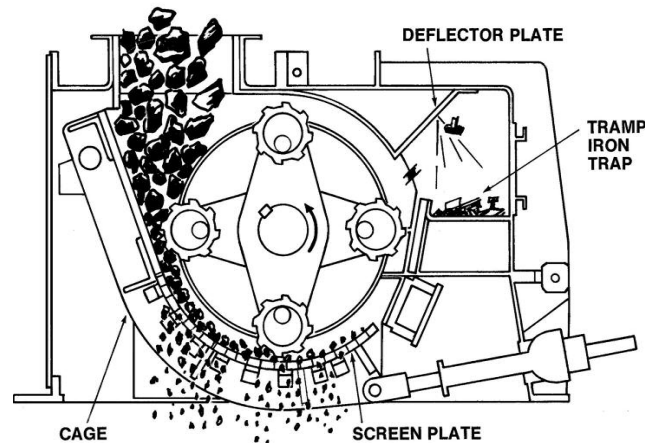
Coal Granulators have undergone various important improvements, whilst retaining the original concept of a machine which sizes run-of-mine coal and removes debris at the same time. The ability of the granulator to continue operating reliably for decades has been the primary reason for its wide adoption in the international mining industry.

Coal Granulators and other impact crushers have played an important role in power generation, coal mining, cement production, chemical processing and other basic industries.

CAPACITY AND RANGE

The Model TK machine is offered in a range of 15 sizes, with maximum capacities of up to 2,500 t/h and a maximum feed size up to 1,000 mm.

The Model TKK machine is offered in a range of 20 sizes, with maximum capacities of up to 3,900 t/h and a maximum feed size up to 450 mm.



Coal flows through the feed opening directly into the path of the ring hammers. These hammers break the coal through impact and drive it against the breaker plate where further reduction occurs. Final sizing occurs by rolling compression of the ring hammers as coal passes over the screen plate. All reduction is performed in one pass.



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