

Feeder-Breaker for Surface Coal Applications



Feeder-Breakers are currently operating in surface coal applications with throughput rates up to 6,000 Tons Per Hour.



Summary

The JOY Feeder-Breaker is designed for optimum availability to cut your operating costs and increase your mine production. By custom designing and building the Feeder-Breaker to suit your operation, your mining, haulage and conveyor systems will work at their most efficient rate.

Benefits

- Each Feeder-Breaker features a flight conveyor, a rotary pick breaker and if required, an integral surge hopper, providing maximum space efficiency
- Specific material output size is achieved by breaker picks and a pick pattern designed to work with conveyor flights eliminating slabs
- Optional crawler, wheel or skid mounting allows the Feeder-Breaker to efficiently move with the mine face to reduce haulage cycle time
- High-strength engineered conveyor chain, with hardened link pins, is specially manufactured for long life, low maintenance and superior dependability
- Feeder-Breakers feature a low, horizontal profile that operates without eccentric motion to provide the lowest height truck dump installation of any crusher arrangement available
- Breaker drives are electro-mechanical with direct drive and chain and sprocket arrangement options



A mobile in-pit JOY Feeder-Breaker is used to size Powder River Basin coal to minus 8 inches at a throughput rate of 2500 Tons-per-hour.



Two JOY Feeder-Breakers operating simultaneously at 2,000 TPH each.



The carbide-tipped picks on the breaker shaft are designed to interlace with solid steel alloy flights to maintain a consistent minus 200 mm (8") product size.



A stationary Feeder-Breaker receives coal and produces a minus 200 mm (8") product size at 6,000 TPH.

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