

## 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.

**JOYGLOBAL**



All designs, specifications and components of the equipment described above are subject to change at the manufacturer's sole discretion at any time without advance notice. Data and descriptions published herein are informational in nature and shall not be construed to warrant the service or the suitability of the equipment for any particular purpose as performance may vary with the conditions encountered. The only warranty applicable is our standard written warranty for this equipment or service.

Joy Global, P&H, Joy, and the Joy and World design are trademarks of Joy Global Inc. or one of its affiliates.  
© 2012 Joy Global Inc. All rights reserved.



[joyglobal.com](http://joyglobal.com)