

Industrial Solutions

barracuda[®]

Enhance your operational
efficiency



thyssenkrupp





barracuda®

One of the latest innovation in thyssenkrupp's mining equipment portfolio is the barracuda® compact bucket wheel excavator.

The barracuda® vastly extends the application range of bucket wheel excavators through its capability to dig or cut materials with average uniaxial compressive strengths of up to 50 MPa. This makes the barracuda® a genuine alternative to the conventional drilling and blasting method.

A barracuda® is typically used in mining coal, phosphate, ore and potash or the corresponding overburden and waste removal.

The basic version of barracuda® features a very simple design and is capable of working as an independent machine, i.e. digging upfront and discharging a radial stockpile of the loosened material directly to the rear.

Just the
barracuda®
you need

barracuda® Flexo

The barracuda® Flexo is equipped with a short discharge conveyor which allows the material to be more defined. The Flexo is designed to feed trucks, either directly via discharge conveyor or with an additional intermediate bridge.

barracuda® System

The barracuda® System, a combination of the barracuda® Flexo and a shiftable bench conveyor is designed to be implemented at a bench with a bench conveyor 100 % operation.

barracuda® C

The barracuda® C offers the proven features of a conventional compact bucket wheel excavator (e.g. multi-terrace cut- and continuous operation system) but has been upgraded with bucket wheel technology, which enables it also to work in harder material.

To meet demands of harder materials the teeth arrangement has been adapted to the usual bucket wheel configurations. Buckets and precutters are positioned much closer to each other and there are more teeth on the bucket. The outcome is a very narrow pattern of teeth that gouge into the material while digging.

This reduces the size of the section or the lump size dug out per tooth, which accordingly lowers the forces required for loosening. The welcome side effect is that the material is cut into easily conveyable pieces of less than 200 mm, which means that the primary crushing stage has already been completed.

The barracuda® is electrically powered and can achieve capacities of up to 7,500 lm^3/h .



barracuda® Flexo



barracuda® System



barracuda® C

How you benefit from barracuda®:

- Non-blasting operation
- No primary crushing required
- Highest operational safety
- Lower production costs than any comparable system
- Suitable for any existing operational system
- Flexibility to handle different types of material
- Environmentally friendly

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