



CRUSHERS

MATERIAL REDUCTION EQUIPMENT

- Hammer King - HSI
- Refurbished VSI
- Basecourse Impactors
- Rolls Crushers
- HSI - Bath Impactors

ROCKTEC
Rock Technology



CRUSHERS

MATERIAL REDUCTION EQUIPMENT

► HammerKing - HSI

The Rocktec Hammering Impact Crusher is an economical secondary / tertiary crusher which manufactures a well graded cubical product for a wide range of industries. The Hammering is a simple machine to operate and maintain - all parts are easily accessed and changed when worn. Hammers rotate for extra life. No special foundations are required and the Hammering can be driven from almost any type power plant. The Hammering is ruggedly built and will give many years of reliable service under the most arduous conditions.

Feed material enters the Hammering through the rear opening and is picked up by the hammers and flung against the inside of the casing. Material is then carried down past the control plate and broken again before exiting through the rock box. The two row hammer configuration allows a full charge of feed to be picked up, increasing the amount of material in the casing. This has the benefits of even hammer wear, better power usage and a large degree of semi-autogenous (rock-on-rock) crushing, which saves wear parts.



Reduction ratio is altered by:

- Moving the control plate
- Changing the rotor speed

Generally speaking light, friable materials can be crushed and shaped with comparatively low power and rpm, but dense, tough materials require higher power and rpm.

The Hammering range of impact crushers are built to exacting standards and all wear items are standard Kumbee parts, available from most foundries.



► Refurbished VSI



Rocktec have been very active in the VSI refurbishing business over the years. We have bought and traded old VSI Crushers that have been suitable only for scrap and completely rebuilt them to a new standard and specifications and made very good margins due to the retail price of a new machine.

Rocktec also rebuilds VSI's for customers wishing to up-grade their existing machines which would have otherwise ended up becoming obsolete.



SPECIALIST CRUSHING EQUIPMENT

Rocktec can design and manufacture specialist crushing equipment to achieve specific customer objectives.

➤ HSI - Basecourse Impactor



The Rocktec HSI Basecourse Portable is specifically designed to produce a saleable basecourse product from a maximum of 150mm feed. The unit can feed to screen or crusher and features heavy duty screens and conveyors, walkways service screen, engine and crusher. All Rocktec's portable units are suitable for tough conditions and can be designed to suit specific site requirements and to integrate with existing plant where possible. Most are able to be designed road legal. Standard portable crusher features include heavy duty construction, patented proven designs, fast set up, high quality components, full back up and service.

➤ Rolls Crusher

Rocktec's range of double roll crushers are designed and manufactured to meet specific customer requirements. The crushing action reduces the amount of fines production. A tramp release system allows non-crushable material to pass pass the rollers without damage. A user selectable gap can be easily set by the operator. The roll faces are hardened to 500 Brinell to increase the life and efficiency of the machine.

- Applications include: Fertiliser, Coal, Bath - Abrasion resistant rolls - Uniform granular product - Reduces by compression



➤ Bath Impactor

The Rocktec HSI Bath impactor is specifically designed to crush waste Alumina bath which can then be recycled and used in the Aluminium production process. A high reduction ratio is achieved by Tungsten tipped flails and Tungsten tipped anvils, these are set to determine the finished product size. The internal ledges combined with Tungsten tips/anvils provide high efficiency and durability.



Specialist Crushing Equipment includes processing of the following materials:

- Bark
- Bath
- Coal
- Fertiliser

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