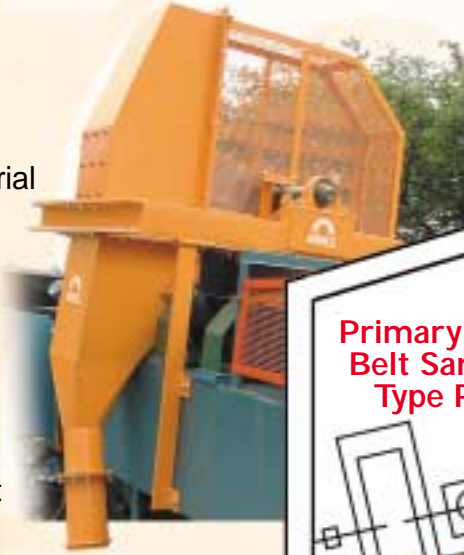


Cross Belt Samplers

The Cross Belt Sampler obtains a representative sample of granular material direct from a moving trough belt type conveyor.

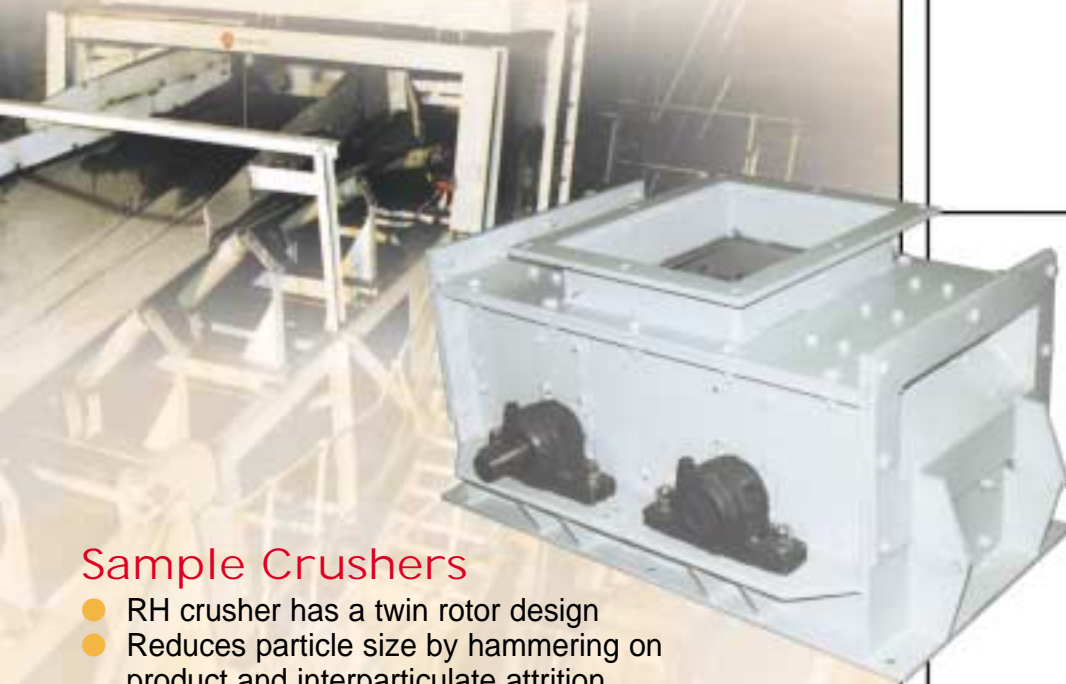
- Direct sampling from a belt via a single direction sweep of cutter
- For all types of granular material
- For open and enclosed locations
- Easy to transport - suitable for mobile sampling
- Easy to install - particularly in retrofit situations
- Minimum maintenance



Rotary Samplers

The rotary sector cutter, as incorporated in the PRL range of primary machines, is the core of Eriez Prisector's sampling systems.

- Installation on belts up to 2200mm wide
- Feed materials up to 150mm can be sampled as standard - up to 400mm with modification
- Minimum number of parts requiring routine inspection.
- Low power requirement
- Minimum number of moving parts

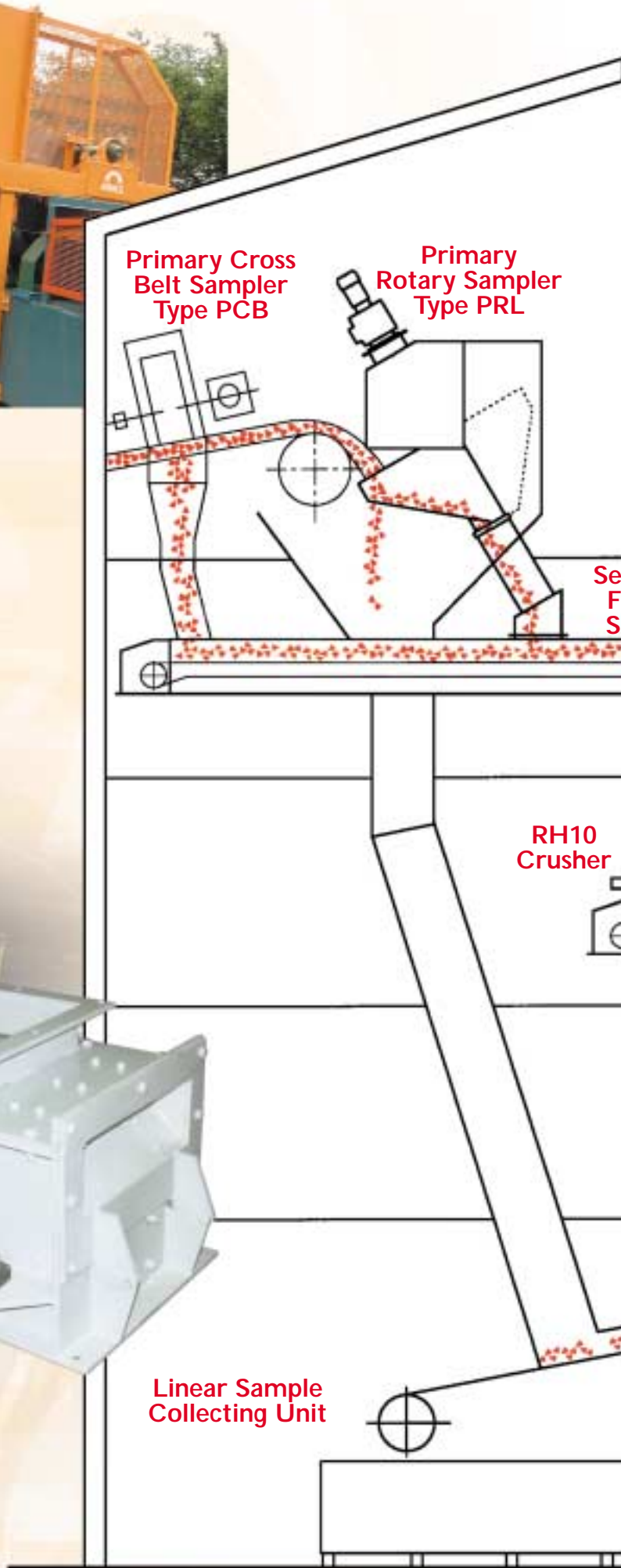


Sample Crushers

- RH crusher has a twin rotor design
- Reduces particle size by hammering on product and interparticulate attrition
- No need for substantial static breaker plates
- Low power per rotor
- Compact construction

Rejects Return

Reject material from the individual sample increments are returned to the main out-going stream of material, usually by gravity. Where this is not possible, either screw conveyors or light duty belt conveyors are used.



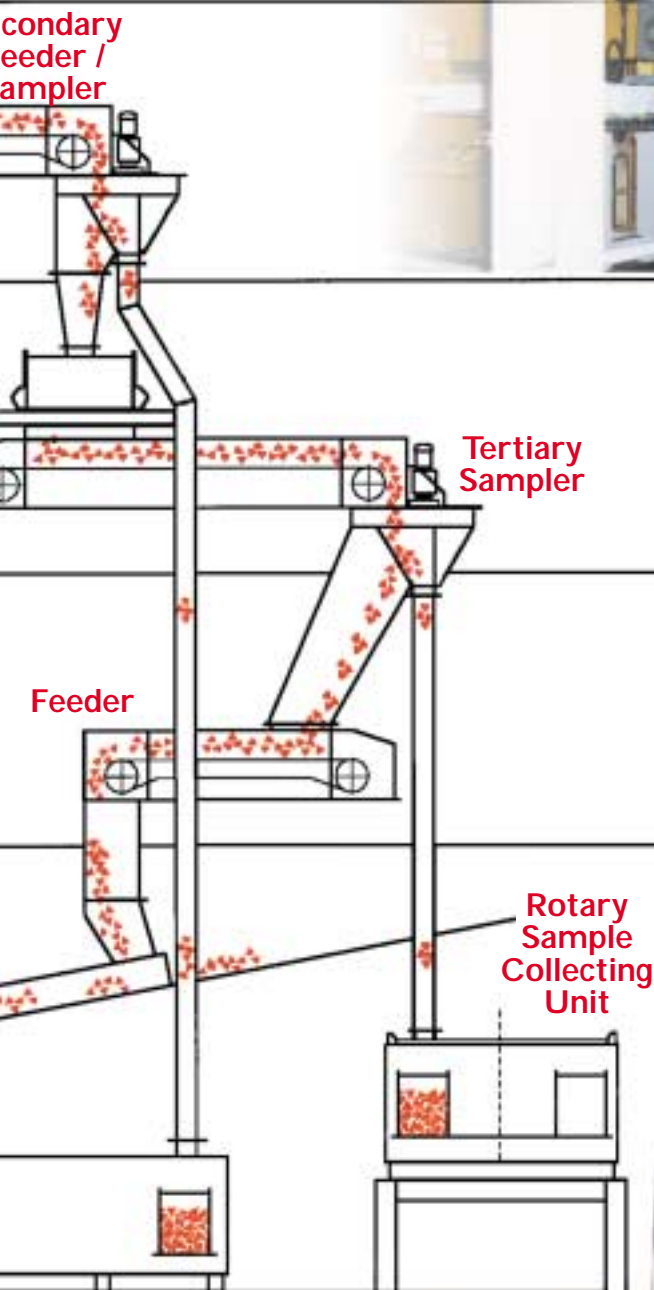
- Eriez range of magnets and metal detectors is also available for some applications
- Please ask for details

Sample Division

The rotary sector cutter concept also applies to the Eriez Prisector ARC feeder / splitter / sampler range.

- Feeder lengths from 1250mm
- Splitter or sampler selection is dependent on specific requirements
- Versions of the ARC include
 - BF : provides duplicate sub samples from each primary sample
 - FS : Free standing, used for division of samples in a laboratory environment

Typical Sampling System



Sample Collection

Multi station sample unit for multiple final samples

Rotary Carousel Unit

- Low friction roller table container support systems
- Carousel can have 4 to 10 stations, depending on container size
- Container size up to 120 ltrs



Linear Sample Collecting Unit

- Low friction roller table container support systems
- T-LCS 'Twin' design, where both moisture and general analysis samples are required
- LCS Single line design for single sample collection
- Container size up to 120 ltrs



Secondary and Laboratory Equipment



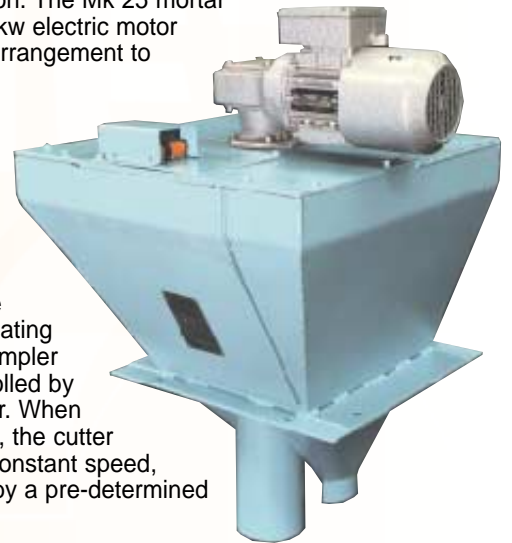
To complement our on line systems the following equipment can be used as part of a total pre-engineered sampling station, or individually as laboratory batch test equipment:

Mortar Crushers

Compact, reliable design with a reduction ratio of 5:1 maximum feed size of 25mm can be accepted with the product size variable down to 500 micron. The Mk 25 mortar crusher is driven by a 2.2 kw electric motor and has a floating pestle arrangement to facilitate fine crushing.

PRV 500/250 Sample Splitter

Designed to take representative samples of material from gravity chute systems by means of a rotating cutter. When used as a sampler the cutter rotation is controlled by an adjustable interval timer. When used for splitting a sample, the cutter rotates continuously at a constant speed, reducing the sample size by a pre-determined ratio.



PRV 200 Cone Splitter

Features a continuously moving cutter which rotates through the falling stream of material at a constant speed. The direct driven cone cutter is totally enclosed and can operate in a contamination-free environment.

The cone has an adjustable aperture allowing sample ratios of between 1:4 and 1:60 to be taken.

Additional laboratory equipment is also available to suit your requirements.



PRISECTER

ISO 9001 approved

Eriez Prisecter offers competitively priced equipment, mechanical reliability with low maintenance and bias free operation. The equipment and systems have been tested to the requirements of the BS, ISO and ASTM sampling standards.

Whatever your sampling problems, please contact us for a detailed recommendation and quotation.

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