KCA Rotary Sample Splitter

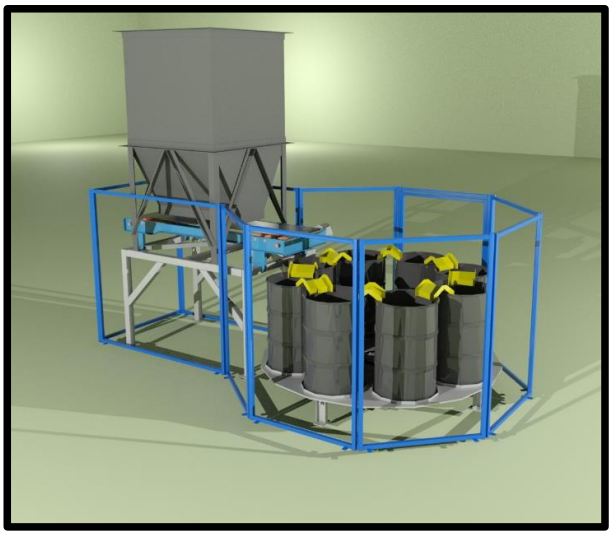
Introduction

Kappes, Cassiday & Associates® (KCA) has developed a large capacity rotary sample splitter incorporating a robust design suitable for the industrial environment. Crusher samples cut from production conveyors should be large, and they have usually been further reduced to a manageable size almost as an afterthought, through small-capacity manually operated splitters.

It is common to see riffle splitters used in both the field and in labs, but a riffle splitter is notorious for making unreliable splits. Material is often differentiated into different sizes during handling of small sample containers, and when this segregated material is dumped through a riffle splitter, the fines can easily end up in one of the splits. Rotary splitters solve this problem, small laboratory rotary splitters are becoming more common in the most reliable laboratories.

The KCA rotary sample splitter can take a continuous stream from an on-belt splitter and reduce it reliably to eight equal parts with minimal operator attention. A second unit in line could be used to produce a 1/64th split of the production sample. Rocks up to 6 inches diameter can be routinely processed.

The KCA rotary sample splitter can be used for production crusher sampling, but is equally at home for processing large samples in the laboratory. From a truckload sample or a bulk sample of combined drillhole cores, the unit can reliably make eight equal portions. The unit accommodates eight 55 gallon drums as sample receptacles, but a simple adapter allows containers as small as 5-gallon buckets to be used.



Rotary Sample Splitter Specifications

- Variable speed feed belt
- Eight (8) slot receiving plate
- Convertible to 30 and 5 gallon drum capacity for smaller samples
- Safety fence with interlocking off switch
- Designed and Manufactured in the USA

7950 Security Circle, Reno, Nevada USA 89506
Contact Us At: (775) 972-7575
E-Mail: kca@kcareno.com ; www.kcareno.com

Rotary Sample Splitter Specifications

- 20” Conveyor Belt Driven by a 1 HP, DC Motor with Variable Speed Control
- Fixed Rotating Table Speed of 1 RPM
- Standard Hopper Capacity of 110.2 ft^3
- Drums hold 3-ton capacity at 100 lb/ft^3
- Maximum feed size P_{100} 6”
- Gear Box driven table for an enclosed and low maintenance system
- Split large samples up to 3 tons efficiently, saftely and in the most accurate method available

To learn more about how KCA’s Rotary Sample Splitter or for a quote contact us at:

Call: (775) 972-7575

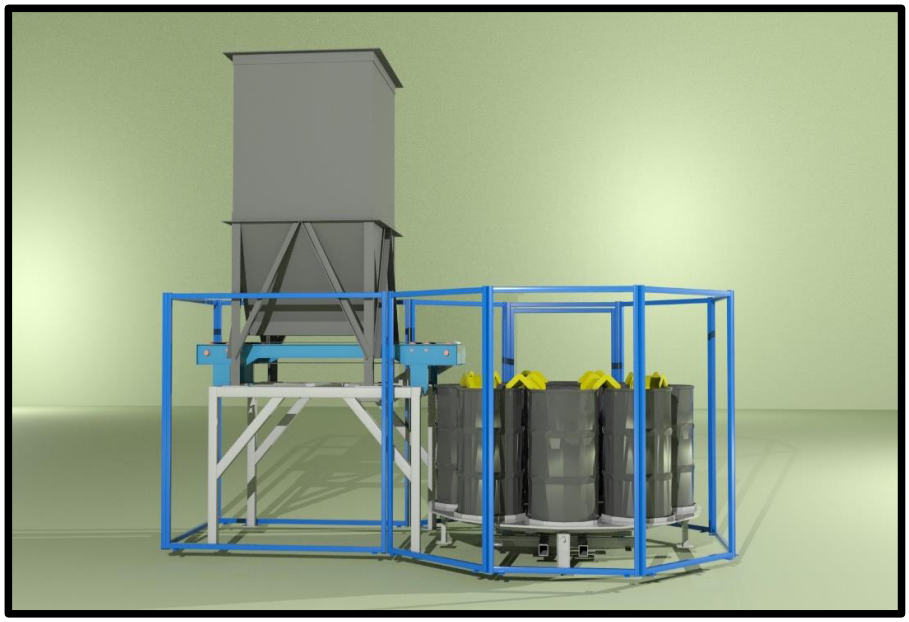
Email: kca@kcareno.com

Or visit us at www.kcareno.com

Applications

- Laboratory Sample Splitting
- Bulk Material Sampling & Handling
- Crusher Sampling

30 or 5 Gallon Drum Convertor Funnel



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