



ROTATING SAMPLE DIVIDERS

TWO SIZES AVAILABLE

Bench Top (<5kg samples) and Stand Alone (<25kg samples)

The smaller size is designed to be placed on a work bench but can be used in conjunction with ROCKLABS Continuous Ring Mill (CRM)

FEATURES

- A representative split of any proportion from 2 - 50%
- Generally Two splits - sample and remainder
- Stand alone has 1 or 2 sample models available
- Feed rate 0 - 5 kg / minute
- Moving parts made of stainless steel
- Rugged box steel construction
- Lid safety cut out switch
- Stainless steel sample bins
- Small enough to be placed on a work bench
- Sealed bearings means no maintenance

Length 600 mm
Width 420 mm
Height 550 mm
Weight 80 kg



Method	Standard Deviation of samples %
Cone and quartering	6.810
Scoop sampling	5.140
Riffle splitting	1.010
Table sampling	2.090
Rotating splitting	0.125
Random variation	0.076

COMMENTS ON TAKING A REPRESENTATIVE SPLIT

Taking a representative split from a large sample is not as simple as many people believe. Rolling on a mat, multiple grabs or riffle splitting do not produce an accurate split. A classic study * conducted at Bradford University demonstrated that a rotating sample divider provided the most accurate split.

* "Critical evaluation of powder sampling procedures". Allen T. & Khan A.A, "The Chemical Engineer", May 1970, pp108 - 112.