

■ ROTATING SAMPLE DIVIDER **ROCKLABS**

(two sizes available — smaller size is featured in this pamphlet)
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%
- Two splits only - sample and remainder
- 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

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

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

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.*

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