

Bench Top Rotating Sample Divider

BTRSD | Robust design, easy operation.



The main features.

- A representative split of any proportion from 2 - 50%
- Two representative splits - sample and remainder (top image)
- Sealed bearings

The process.

The Bench Top Rotating Sample Divider is designed to be placed on a work bench. It can also be used in conjunction with a Bench Top Ring Mill.

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Specifications

Motor power	0.1kW, single phase
Maximum input particle size	10mm
Width x Height x Depth	600 x 557 x 496mm
Weight	85kg
Hopper capacity	5kg
Dust extraction	NA
Options	NA
Warranty	Rocklabs Bench Top RSD is sold with a 2000 operating hours or one year warranty (whichever comes first), covering all parts (excluding wear parts) and labour if used under normal laboratory conditions.

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 accurate results. A classic study* conducted at Bradford University demonstrated that a rotating sample divider provided the best results. **Critical evaluation of powder sample procedures". Allen T& Khan A.A " The chemical Engineer", May 1979, pp108 - 112

Dividing

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

Shipping dimensions

Width	825mm
Height	730mm
Depth	605mm
Weight	100kg

*For more information please contact us on the details below or visit the website for a list of international agents.

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