

## Stand Alone Rotating Sample Divider

SARSD | Robust design, easy operation.



### The main features.

- A representative split of any proportion from 2 - 50%
- Two splitting options available
- Sealed bearings

### The process.

The Stand Alone Rotating Sample Divider is designed to split out a representative portion of the sample.

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## Specifications

Motor power	0.18kW, 3 phase
Maximum input particle size	10mm
Width x Height x Depth	1000 x 960 x 800mm
Weight	135kg
Hopper capacity	25kg
Dust extraction	1 extraction port available
Options	Sample bins: Option 1 – Single split + Remainder Option 2 – Duplicate Split + Remainder *Bypass bin available for Option 2
Warranty	Rocklabs Stand Alone 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
<b>Rotating splitting</b>	<b>0.125</b>
Random variation	0.076

## Shipping dimensions

Width	1570mm
Height	1160mm
Depth	920mm
Weight	250kg

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

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