



Product datasheet

Essa[®] RSD Bench Top Splitter Rotary Sample Divider

Our Essa RSD Bench Top Rotary Sample Divider is the benchtop sample splitter every laboratory should have to quickly produce representative sub samples.

The Essa Bench Top Splitter is a vital tool when undertaking representative sample reduction and compliments our larger range of RSD systems. Combined with its straightforward operation and compliance with industry-standard sampling requirements, it is a simple sample dividing solution that provides consistent results.

- This splitter produces two representative splits, a sample and remainder
- Splits from 2-50% of the original sample are possible
- The sample divider can handle samples up to 5kg in a single pass

Key benefits

- Straightforward and safe to use
- Provides accurate sampling
- Increases operational efficiency
- Compact design that is easy to store
- Robust, reliable, easy to clean and maintain

Bench-mounted design that boosts performance and sample quality

Suited to a wide range of applications

Our Essa RSD Bench Top Splitter is suited to an array of applications in research laboratories, mine and port sampling laboratories, and other industrial environments where representative sub sampling is required.

Applications include mineral sands, mine samples, cement clinker, chemicals, coffee, construction materials, fertilisers, fillers, flours, grains, metals powders, minerals, nuts, sand, seeds, soils and washing powder.

A proven method of delivering reliable sampling results

Our Essa RSD Bench Top Splitter's rotary sample dividing technology is key to sampling accuracy and quality control, as it utilises rotary sample dividing technique and has product drawers to capture the sub-samples. It uses the entire sample in this process, reducing handling and clean-up times. This method improves laboratory efficiency and decreases labour costs.

As a benchtop system, our splitter is small and mobile, meaning that it can be moved throughout the facility with ease and suits a wide range of environments. The system settings are managed via its control box, which is simple to operate. Features, such as a safety switch that prevents the machine from running while the lids open, also reduce operator injury risk.

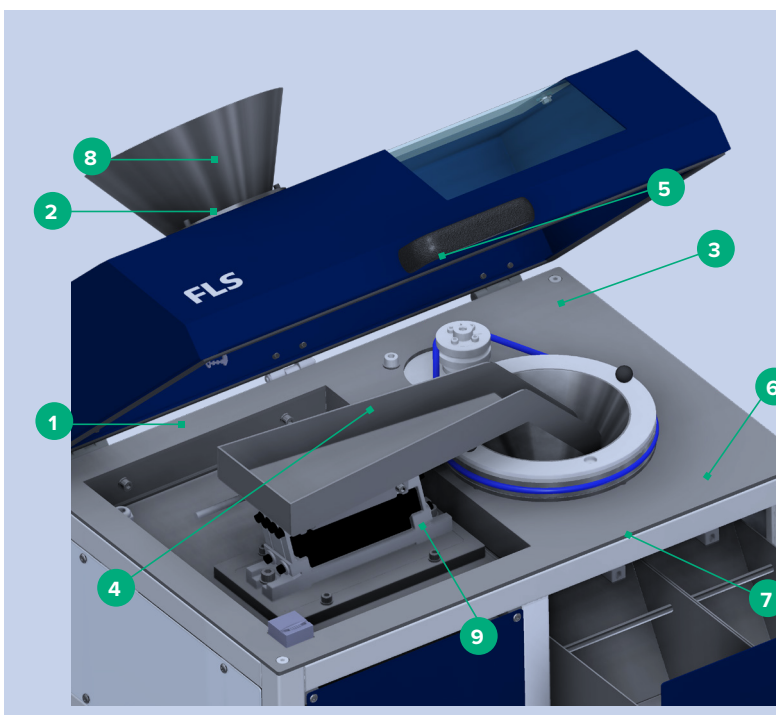
An RSD system that is highly adjustable and built to last

Our Essa RSD Bench Top Splitter uses an electromagnetic vibratory feeder, which is designed to distribute the sample evenly on the feeder, producing a uniform falling stream. A rotary divider passes under the stream and representatively splits the sample into the sample and remainder drawers below. The feeder's speed and other parameters, such as feed volume, can be adjusted, depending on the individual's sampling needs. The splitting ratio is adjusted to provide splits from 2 to 50%.

The Splitter's hopper and product drawer are built from stainless steel, which reduces the risk of corrosion and prevents sample contamination. Our technology also complies with the industry-standard sampling requirements, as it can be adjusted to produce sub-samples with the minimum number of rotations necessary.

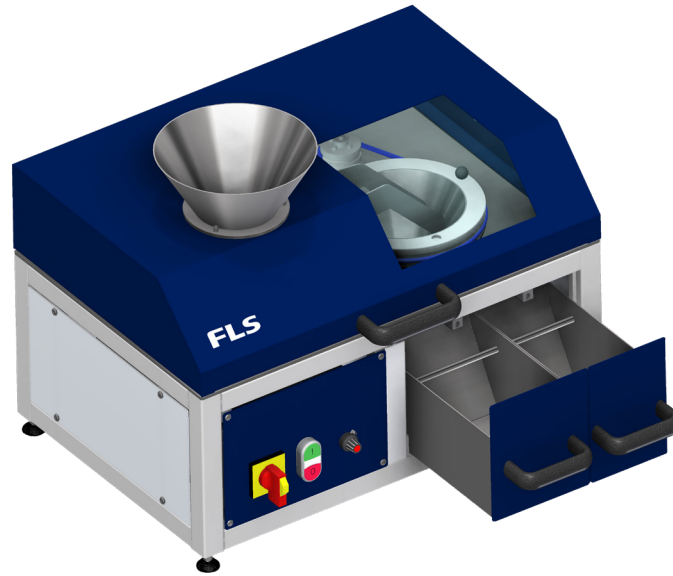
Key features

- Vibratory feeder for even sample distribution
- Adjustable parameters
- Built for longevity
- Complies with industry standards
- Designed to work in conjunction with our benchtop mill



1. Case
2. Hood
3. Dosing funnel unit
4. Delivery unit
5. Motor unit
6. Product drawer
7. Waste drawer
8. Funnel
9. Electrical cabinet

Ergonomic design makes it easy and comfortable to use



Specifications

Type	Essa® RSD Bench Top Splitter
Model	RSD001
Dimensions	400 x 590 x 450 mm (LxWxH)
Maximum sample capacity	1.8L
Weight	53 Kg
Speed	100 rpm
Voltage	Single Phase, 230V or 110V
Frequency	50Hz or 60Hz cCSAus
Power	Feeder 25VA Induction motor 75 VA

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