SAMPLE SPLITTER RT 100

A faultless and comparable analysis is closely linked to an a**ccurate sample handling.** Only a sample representative of the initial material can provide meaningful analysis results. Sample splitters **ensure the representativeness of a sample and thus the reproducibility of the analysis**.

The RT 100 is equipped with a feed hopper with closed outlet. Thus, **up to 30 l sample material** may be evenly spread over the entire width of the hopper. The outlet is opened manually by moving a lever and the sample is splitted. The slots of the dividing head can be adjusted to a maximum width of 108 mm.

The sample splitters RT are ideal for the on-site reduction of sample material. They are easy to use, easy to clean and do not need an electrical power supply.

APPLICATION EXAMPLES

cement clinker, chemicals, coffee, construction materials, fertilizers, fillers, flours, grains, metals powders, minerals, nuts, sand, seeds, soils, washing powder, ...

PRODUCT ADVANTAGES

- for use in laboratory and on-site
- high-precision manual dividing process
- optimized splitting process by evenly spreading the sample over the hopper
- variable slot widths permit splitting of coarse bulk material
- dividing process according to DIN 51701

FEATURES

Applications	sampling and sample dividing
Field of application	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	bulk materials
Material feed size*	Slot width adjustable 12 / 24 / 36 / 48 / 60 / 72 / 84 / 96 / 108 mm
Batch size / feed quantity*	<= 30 l
Number of divisions	2
W x H x D	72 x 70 x 46 cm
Net weight	~ 55 kg

*depending on feed material and instrument configuration/settings

FUNCTIONAL PRINCIPLE

With sample splitters, one of the receptacles is used to pour a well mixed sample evenly into the dividing head. The material runs through the alternately arranged passages in the opposite direction into the two collecting receptacles under the dividing head outlets. With every operation the feed sample is halved. This can be repeated as many times as necessary until the required dividing quantity has been obtained.

www.retsch.com/rt100