SAMPLE SPLITTER RT 6.5 - RT 75

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A faultless and comparable analysis is closely linked to an **accurate 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 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.

PRODUCT ADVANTAGES

- for use in laboratory and on-site
- high-precision manual dividing process
- dividing process according to DIN 51701

APPLICATION EXAMPLES

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

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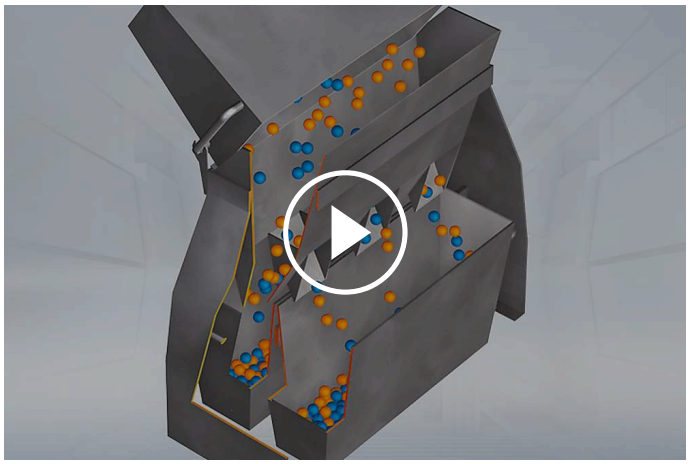
FUNCTIONAL PRINCIPLE

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.



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TECHNICAL DATA

Applications	sampling and sample dividing
Slot size	RT 6.5: 6.3 mm RT 12.5: 12.5 mm RT 25: 25.0 mm RT 37.5: 37.5 mm RT 50: 50 mm RT 75: 75 mm
Number of slots	RT 6.5: 12 RT 12.5: 18 RT 25: 16 RT 37.5: 12 RT 50: 8 RT 75: 6
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*	RT 6.5: ~ 4 mm RT 12.5: ~ 8 mm RT 25: ~ 16 mm RT 37.5: ~ 25 mm RT 50: ~ 33 mm RT 75: ~ 50 mm
Batch size / feed quantity*	RT 6.5: <= 3 l RT 12.5: <= 3 l RT 25: <= 16 l RT 37.5: <= 16 l RT 50: <= 16 l RT 75: <= 16 l
Number of divisions	2
W x H x D	RT 6.5: 30 x 27 x 25 cm RT 12.5: 30 x 27 x 25 cm RT 25: 62 x 42 x 26 cm RT 37.5: 62 x 42 x 26 cm RT 50: 62 x 42 x 26 cm RT 75: 62 x 42 x 26 cm

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Net weight	RT 6.5: ~ 3.5 kg RT 12.5: ~ 3.5 kg RT 25: ~ 21.5 kg RT 37.5: ~ 21.5 kg RT 50: ~ 21.5 kg RT 75: ~ 21.5 kg

*depending on feed material and instrument configuration/settings

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ORDER DATA

Collecting receptacle and dividing head of stainless steel, stand of coated sheet steel

40.610.0001	Sample Splitter RT 6.5 with 12 slots, 6.3 mm, W:300 x H:270 x D:250 mm
40.610.0002	Sample Splitter RT 12.5 with 18 slots, 12.5 mm, W:300 x H:270 x D:250 mm
05.000.0019	Spare collecting receptacle 1.5 litres (for RT 6.5 and RT 12.5), 1 piece

SAMPLE SPLITTERS WITH 3 RECEPTACLES 8 LITRES

All parts made of galvanized sheet

40.610.0003	Sample Splitter RT 25 with 16 slots, 25.0 mm, W:620 x H:420 x D:260 mm
40.610.0004	Sample Splitter RT 37.5 with 12 slots, 37.5 mm, W:620 x H:420 x D:260 mm
40.610.0005	Sample Splitter RT 50 with 8 slots, 50.0 mm, W:620 x H:420 x D:260 mm
40.610.0006	Sample Splitter RT 75 with 6 slots, 75.0 mm, W:620 x H:420 x D:260 mm
42.147.0002	Spare collecting receptacle 8 litres (for RT 25, RT 37.5, RT 50 and RT 75), 1 piece

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