SOLID TESTING DRUM - FPT

For abrasion and strength tests according to DIN, ISO and ASTM standards for coke, iron ore, sinter and HBI (e.g. ISO 556, ISO 3271, ISO 15967).

Due to the quantities handled, drum tests to determine the abrasion behavior or strength of bulk materials are very labor-intensive. Reduce the additional lifting workload of your employees with our automatic test drums.

◆ Our test drums have

- Fully automatic operation of the drum process, including emptying the drum.
- Fully automatic opening and closing of the test drum via pneumatic cylinders.
- Dust and noise protection thanks to complete enclosure of the solid testing drum.
- Drive bars/brackets compliant with the requirements of the respective standard.
- Split stainless steel collection vessels on a mobile cart.
- Touchscreen control
  - Preselection for number of revolutions, compliant with testing required under IRSID, MICUM, …
  - Preselection of speed

Technical data

Solid testing drum		FPT 500/1000-A	FPT 1000/1000-A
Dimensions (W×H×D)	mm	1725 × 1652 × 1570	2232 × 1652 × 1570
Weight	kg	975	1250
Internal diameter of drum	mm	1000	1000
Internal length of drum	mm	500	1000
Motor	kW	1.5	1.5
Operating voltage		400 V, 3/N/PE, 50 Hz	
Subject to technical changes.			

DIVIDER

The divider is suitable for representative division of dry and free-flowing bulk materials (< 2mm) into 8 sample containers. The sample to be divided is placed into the feed hopper, and is first mixed via a clearing arm after switching on the divider. After the discharge openings in the feed container have been opened, the sample material is distributed into the 8 screwed-in sample containers by means of a rotating clearing arm.

Your benefits:

- No dosing channel for sample infeed required!
- Mixing function in the feed hopper
- Adjustable rotation speed of the clearing arm

Technical data

Divider		VER 8/200
Dimensions (W×H×D)	mm	260 × 360 × 260
Weight	kg	18
Feed quantity	cm^3	1500
Sample container	cm^3	8 x 200
Operating voltage		230 V, 1/N/PE, 50 – 60 Hz
Subject to technical changes.		

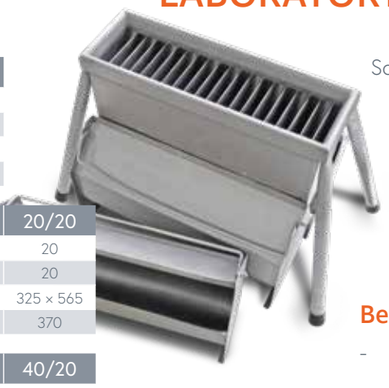
LABORATORY SAMPLE SPLITTER

Sample splitter		10/10	10/32
Number of cells		10	32
Cell width	mm	10	10
Ext.Dimensions	mm	325 × 250	325 × 530
Height	mm	370	370

Sample splitter		20/10	20/16	20/20
Number of cells		10	16	20
Cell width	mm	20	20	20
Ext.Dimensions	mm	325 × 340	325 × 485	325 × 565
Height	mm	370	370	370

Sample splitter		40/10	40/16	40/20
Number of cells		10	16	20
Cell width	mm	40	40	40
Ext.Dimensions	mm	325 × 565	325 × 805	325 × 965
Height	mm	370	370	370

We also manufacture your sample splitters in custom dimensions.



Sample splitters for the simple manual division of bulk materials, provide two representative partial sample by means of alternating chutes. The split sample can continue to be halved and halved again by repeating the splitting process, achieving splitting results of 1/2n.

Benefits:

- Easy to clean
- Made entirely from stainless steel
- 3 collection vessels
- Mobile

The max. feed material grain size should be approx. 1/3 smaller than the cell width of the splitter. For higher standards of splitting accuracy and function, the max. grain size should be max. 1/3 of the cell width.

Do you need to split **bulk materials with significantly coarser sizes and larger quantities?**

Then we have a solution here for your splitting problem!
Our brochure "Sampling and Sample Preparation" provides initial information on this.