

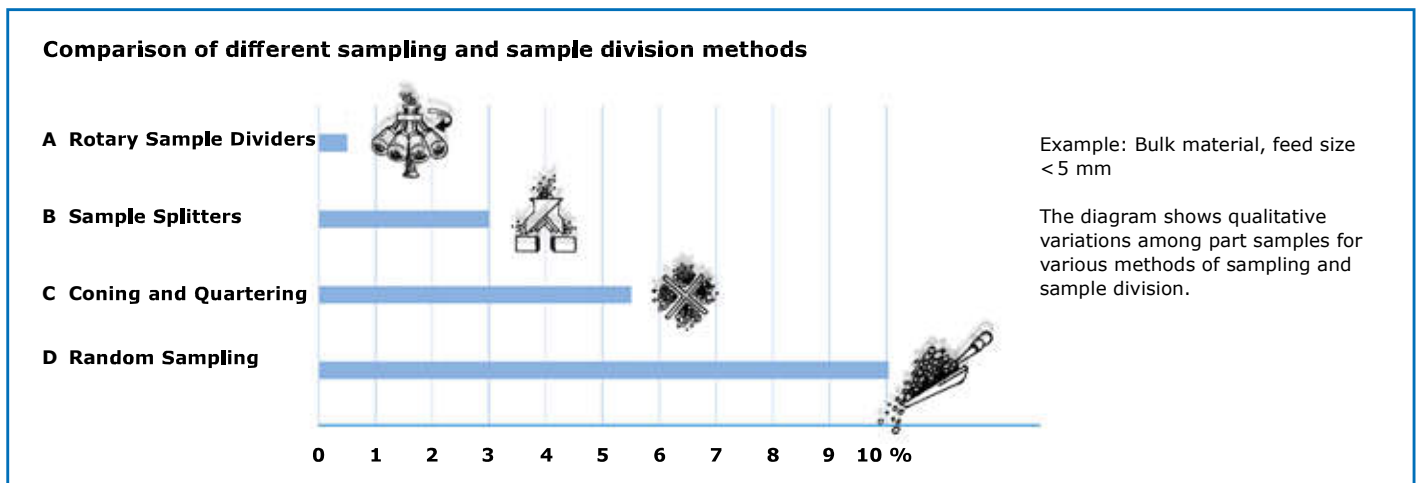


Assisting

	Model	Page
Sample Dividers	PT 100, PT 200, RT 6.5 – RT 75	100
Vibratory Feeder	DR 100	102
Fluid Bed Dryer	TG 200	102
Ultrasonic Baths	UR 1, UR 2, UR 3	103
Pellet Presses	PP 25, PP 35, PP 40	103

Assisting – The Key to Greater Efficiency in the Laboratory

From representative, reproducible sampling and sample division to uniform, continuous material feed; from efficient preparation of solid pellets for XRF analysis to rapid cleaning of grinding tools and test sieves to gentle sample drying: RETSCH offers a comprehensive range of useful assistants which enhance the performance of our mills and sieve shakers even further and ensure reliable analysis results.



RETSCH sample dividers divide all pourable solids up to 10 mm so accurately that the characteristic composition of each fraction of the sample corresponds exactly to that of the original bulk sample.

Sample Divider PT 100

Working with the RETSCH Sample Divider PT 100 is easy and convenient. Material feed with the Feeder DR 100 is automatic and synchronized: this means representative sample division right from the start. The sample is divided under consistent operating conditions every time.

- Representative and reproducible division thanks to reliable method
- Compact, maintenance-free and easy to clean due to modular design
- Digital time setting
- Convenient quick-release clamping system for sample vessels
- Automatic material feed via synchronized feeder DR 100
- Constant rotation thanks to speed monitoring
- Low noise drive



The Sample Divider PT 100 is available with different dividing heads and sample vessels



Ultimate Division Accuracy

PT 100

Sample Divider PT 200

The RETSCH rotating tube divider PT 200 is an indispensable tool for representative dust-free division and volume reduction of large bulk samples. It is suitable for powdered or granular bulk materials with particle sizes up to 10 mm. The rotating tube divider is available with bottom cones for 1, 2 or 3 samples. The slot width adjusts the ratio of the fractions and therefore the amount of the part sample.

- Exact dividing method ensures representative and reproducible results up to 30 l
- Compact, maintenance-free and easy to clean due to modular design
- Digital time setting and automatic material feed via synchronized feeder
- Constant rotation thanks to speed monitoring
- Low noise drive
- Extraction of 1–3 part samples
- Dividing process according to DIN 51701/T 4
- Batch and continuous operation possible



PT 200

Sample Splitters RT 6.5–RT 75




RETSCH sample splitters are used for the simple division and reduction of bulk materials of all kinds. Sample splitters are ideal for on-site reduction of samples. They are easy to use and clean and do not need an electrical power supply.

- Accurate manual dividing process
- For use in the laboratory and on-site
- Robust; easy and quick cleaning
- Available in 6 sizes



RT 6.5–RT 75

Sample Dividers at a Glance

	Sample Dividers		
Model	 PT 100	 PT 200	 RT 6.5–75

Applications	sample division/reduction	sample division/reduction	sample division
Feed material	bulk materials	bulk materials	bulk materials
Number of divided samples	6, 8 or 10	1, 2 or 3	2
Feed size*	< 10 mm	< 10 mm	< 4–50 mm
Volumes of sample vessels	30, 100, 250, 500 ml	250, 500 ml, 30 l	0.3 l, 1.5 l and 8 l
More information on	www.retsch.com/pt100	www.retsch.com/pt200	www.retsch.com/rt

*depending on feed material and instrument configuration

Vibratory Feeder DR 100

The RETSCH vibratory feeder is used for the uniform, continuous feeding and conveyance of pourable bulk materials and fine powders.

The DR 100 feeds RETSCH mills and sample dividers, as well as balances and particle measuring devices, and it is also suitable for filling and dosing. Their performance, adaptability and compact design make these devices suitable for a great variety of applications.

Vibratory Feeder at a Glance

	Vibratory Feeder
Model	DR 100
Applications	feeding, conveying
Feed material	bulk materials
Feed size*	up to 12 mm
Time setting	1–99 min digital, continuous operation
Volume flow*	max. 5 l/min, cont. adjustable (0–99 %)
More information on	www.retsch.com/dr100

*depending on feed material and instrument configuration



DR 100

- 1 DR 100 with Sample Divider PT 100 and PT 200
- 2 DR 100 with Ultra Centrifugal Mill ZM 200

Fluid Bed Dryer TG 200

The Fluid Bed Dryer TG 200 is used in quality control, sample preparation and Research & Development. It permits the gentle drying of organic, inorganic, chemical or pharmaceutical bulk materials without localized overheating.

The average drying time lies between 5 and 20 minutes which represents a substantial saving in time compared to other drying procedures. The TG 200 is suitable for drying a variety of materials such as coal, plastics, soil, pharmaceutical products or plants but also test sieves up to a diameter of 203 mm.

Fluid Bed Dryer at a Glance

	Fluid Bed Dryer
Model	TG 200
Applications	drying
Feed material	bulk materials and solids, >63 µm
Temperature control	40–130 °C, continuously adjustable
Time setting	0–99 min digital, continuous operation
Container volume	1 x 6 l or 3 x 0,3 l
More information on	www.retsch.com/tg200



TG 200 (1 x 6 l)

- 1 TG 200 for drying small volumes (3 x 0,3 l)
- 2 TG 200 for drying test sieves

Ultrasonic Baths UR 1, UR 2, UR 3

The **RETSCH** ultrasonic baths gently and intensively clean test sieves, glass and metal components and many other materials.

Further areas of application include the preparation of suspensions, e.g. for wet sieving, dispersion processes for chromatographic analyses and degassing of liquids.



UR 1, UR 2, UR 3

Ultrasonic Baths at a Glance

Model	Ultrasonic Baths		
	UR 1	UR 2	UR 3
Applications	cleaning, dispersion, degassing		
Feed material	sieves, glass and metal components, suspensions		
Volumes	6 l	42 l	45 l
for up to	1 sieve 200 x 50 mm /8" x 2"	1 sieve 450 x 100 mm	5 sieves 200 x 50 mm /8" x 2"
More information on	www.retsch.com/ur		

Pellet Presses PP 25, PP 35, PP 40

RETSCH offers three models of pellet presses for the preparation of solid samples for XRF analysis.

- The automated Pellet Press PP 40 is a floor model which features an individual pressure force regulation up to 40 t. The pellets are pressed into steel rings with outer diameters of 40 mm or 51.5 mm. It is also possible to use aluminum cups or do free pressing.
- The automated Pellet Press PP 35 is a compact benchtop model with a pressure force up to 35 t. The pellets are pressed into steel rings with outer diameter of 40 mm. It is also possible to use aluminum cups with diameters of 32 mm or 40 mm or do free pressing.
- The manual hydraulic Pellet Press PP 25 is a compact benchtop unit with 32 mm and 40 mm dies. It is used to produce free pellets or in aluminum cups.



Pellet Presses at a Glance

Model	Pellet Presses		
	PP 25	PP 35	PP 40
Applications	production of pellets for spectral analyses		
Feed material	minerals, slag, ores, cement, raw material etc.		
Max. pressure force	25 t	35 t	40 t
Pellet diameters	32 mm, 40 mm*	inside: 32 mm, 35 mm* outside: 40 mm*	inside: 32 mm, 35 mm* outside: 40 mm, 51.5 mm*
Standard Operating Procedures (SOP)	-	10	32
More information on	www.retsch.com/pp25	www.retsch.com/pp35	www.retsch.com/pp40

*depending on feed material and instrument configuration/settings