



| Setacciatori

POWTEQ Products

Please keep contact with POWTEQ if you have any further questions.



Mortar Grinder MG100



Mortar Grinder MG200



Planetary Ball Mill BM40



Planetary Ball Mill BM6Pro



Micro Ball Mill GT300



Twister TW100



Multi-functional Mill CM100M



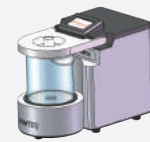
Cutting Mill CM200



Ultra Centrifugal Mill FM200



Knife Mill HM100



Knife Mill HM300



Jaw Crusher JC5



Jaw Crusher JC6



Vibratory Disc Mill VM3



Vibratory Disc Mill DP100



Vibratory Feeder VF200



Rotary Sample Divider RSD200



Vibratory Sieve Shaker SS2000



Smart Graphite Digester



3D Mixer M10

(The warranty period of the hosts is two years)

Company Headquarters

Address: Building 2 # 513, Taihua longqi Plaza, No. 19
Huangping Road, Huilongguan, Changping District, Beijing
Tel: +86 010-82363427
E-mail: oversea.sale@grindertech.cn
Website: www.powteq.com

Orbiting Scientific & Technology Sdn Bhd (Malaysia)

Tel: +603-9058 6581
Fax: +603-9058 1373
E-mail: enquiry@orbitingscientific.com

Green Research Scientific Pte Ltd (Singapore)

Tel: 9628 7255
E-mail: sales@greenrs.com.sg

Vilitek LLC (Russia)

Tel: +7 495 545-07-08(105)
Fax: +7 495 221-05-76
E-mail: office@vilitek.ru

POWTEQ®

Assisting — for more perfect sample preparation

- Vibratory Sieve Shaker SS2000
- Three-dimensional Shaker Mixer M10
- Rotary Sample Divider RSD200
- Sample Splitter SD 6.5 & SD 12.5
- Smart Graphite Digester

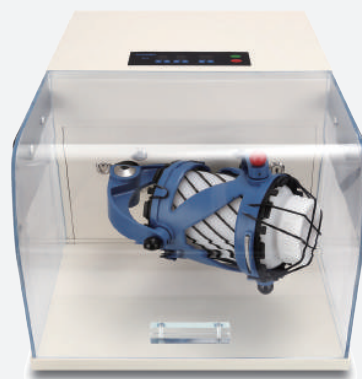




Vibratory Sieve Shaker SS2000



Rotary Sample Divider RSD200



Three-dimensional Mixer M10



Smart Graphite Digester



Vibratory Feeder

- ○ Vibratory Sieve Shaker SS2000 01-03
- ○ Rotary Sample Divider RSD200 - 04
- ○ Vibratory Feeder VF200 / Sample Splitter 05-06
- ○ Three-dimensional Mixer M10 - 07
- ○ Smart Graphite Digester 08-11



Free sample testing

POWTEQ company provides the most professional and perfect sample preparation scheme and technical support for the customers. Application laboratory can process your sample free and recommend the most suitable instrument for you.

● Vibratory Sieve Shaker SS2000

SS2000 is used to batch sieve the solid particle or powder samples. Its electromagnetic drive system guarantees the result is achieved not only in a very short time but also accurate and repeatable. It can perform dry sieving and wet sieving for samples and most parameters can be digital preset. The devices are maintenance free and operation is very quiet.

● Working Principle

The model SS2000 adopts electromagnetic drive system which generates unique three-dimensional motion to throw samples, that makes the samples distribute evenly on the whole sieve. Intermittent vibration can improve sieving effects and guarantee sieving holes are free from blocking.

● Applications

SS2000 applies for all the inorganic and organic compounds including the sand, rocks, clay, granite, feldspar, coal, soil, grains, seeds and all kinds of solid particles.

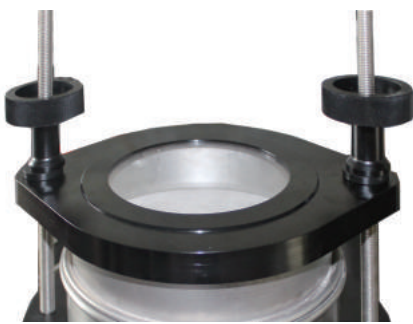


● Features and advantages

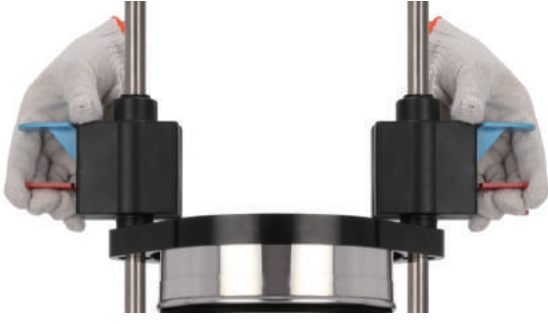
- Digital setting, all sieving parameters can be preset, simple operation.
- Dry, wet sieving.
- Reliable, repeatable and high efficient sieving result.
- Low noise, maintenance-free.
- Unique sieving with 3D motion, high accuracy.
- Intermittent mode can be selected.
- It can be connected to the computer and controlled by the screening software to perform data processing and analysis, screening evaluation.
- LED 5 inch touch screen, intelligent control, convenient operation.



● Two kinds of clamping device



Standard clamping device



Comfort clamping device and handle

Technical Data

Measuring range	20μm-25mm	Parameter combinations that can be stored	9
Amplitude adjustment range	0.2-3.0mm	Max. mass of sieve stack	3Kg
Time setting	01~99min	Rated power	400W
Interval operation adjustment range	00~99s	Power supply	220V,50Hz
Drive /sieving mode	electromagnetic drive	Instrument size (W*D*H)	400*480*240mm
Electromagnetic drive	9	Package size (W*D*H)	400*615*615mm
Sieve diameters	100/150/200/203mm (8")	Net weight	43Kg



● Vibratory Sieve Shaker SS2000



Order information — Vibratory Sieve Shaker SS2000		
Item No.	Weight(Kg)	

Vibratory Sieve Shaker SS2000		
24.886.0001	43.00	SS2000, 220V,50Hz (please order clamping device,collect pan,sieves separately)
Clamping device		
01.869.0001	2.00	standard clamping device(standard cover, threaded rods 2pcs,standard nuts 2pcs)
01.869.0002	2.70	comfort clamping device(standard cover,smooth rod 2pcs, comfort type fasten clips 2pcs)
01.869.0005	2.70	universal clamping device(incl smooth rod 2 pcs,with water inlet cover, comfort clip 2pcs)
01.869.0007	0.50	standard cover
Sieve stacks and accessories SS2000		
01.869.0008	3.00	sieve stack including 8 test sieves(ISO3310-1),200mm ø, 50mm height(45µm,63µm, 125µmm,250µm, 500µm,1mm,2mm,4mm) and collectig pan
01.869.0009	3.00	sieve stack including 8 test sieves(ASTM E11),203mm(8") ø, 50mm(2") height (325mesh, 230mesh,120mesh,60mesh, 35mes,18mesh,10mesh,5mesh) and collectig pan

● Rotary Sample Divider RSD200

The RSD200 can evenly divide one sample to 6, 8, 10 uniform small samples. Each small sample has the same physical and chemical properties, and can represent the attributes of the whole batch of samples. Currently, the divider is the most accurate sample dividing device on the market.

● Applications

Engineering/electronics, building materials, agriculture, pharmaceuticals, chemical/synthetic materials, metallurgical, geological/environment/ resources recycling, glass/ceramics, biological, food.

● Features and advantages

- Extremely high division accuracy
- The parameters are digital and can be preset
- Maintenance-free
- Easy collection and cleaning
- Wide range of the sample bottle volume



● Working Principle

Samples enter a taper-shaped rotating pipe via the feed hopper of the vibratory feeder. The rotating pipe rotates at a constant speed; samples move to the channels under the effect of centrifugal force and are collected inside the containers outside the above channels. The samples in all containers have the same physical and chemical properties.

Technical Data

Feed size	< 10 mm	Rated power	40W
Speed adjustable range	80-120rpm	Power supply	220V,50Hz
Time setting	00:01~99:59(hr/min)	Instrument size(W*D*H)	460*456*850mm
Number of divisions	6/8/10	Package size(W*D*H)	590*590*630mm
Volume	100/250/500ml	Net weight	30Kg

Order information — Rotary Sample Divider		
Item No.	Weight(Kg)	

RSD200 complete unit , incl. dividing head with 8 outlets, vibratory feederVF100-75/40 and 10 sample bottles 250ml

24.866.0001	30.00	RSD 200, 220 V,50 Hz
Accessories		
02.886.0101	4.00	sample bottles, 250ml, made in Germany, 10pcs
02.882.0102	4.00	sample bottles, 500ml, made in Germany, 10pcs

● Vibratory Feeder VF200

Vibratory Feeder VF200 is designed to facilitate automatic sample feed for bulk particle or fine powder samples. It can be used in conjunction with the Sample Divider RSD200 and Ultra Centrifugal Mill FM200 produced by Grinder Company.

● Working Principle

Samples fall to the vibrating chute via the feed hopper. By adjusting the vibration frequency, the speed of samples (namely sample feed speed) on the vibrating chute can be changed. Finally, the samples fall to the target device for next step processing.

● Features and advantages

- The feed speed can be adjusted continuously
- Easy installation and operation
- Stable, uniform feeding
- Easy cleaning of push-fit feed chute
- Parameters are digital and can be preset



Technical Data

Feed size	<12 mm	Rated power	40W
Speed setting	0-50	Power supply	220V,50Hz
Time setting	01~99 min	Instrument size(W*D*H)	274*244*330mm
Width of the chute	75/40 mm	Package size(W*D*H)	590*590*350mm
Hopper volume	2.2 L	Net weight	13Kg

Order information —— Vibratory Feeder

Item No.	Weight(Kg)
----------	------------

Vibratory Feeder

VF200-75/40 compelte unit,incl. 75/40mm chute,2.8L hopper and fasten device (the foot stand should be ordered separately when VF100-75/40 is used as a set with RSD200)		
24.878.0001	13.0	VF200-75/40, 220V, 50 Hz

● Sample Splitter SD6.5&SD12.5

● Working Principle

When using the splitters to divide samples, the samples can evenly fall to sample splitting slot. The sample splitting slots designed in a cross way, so samples fall to the two underneath sample receiving container respectively. The quantity of samples can be halved by performing one sample separation. You can repeat such operations until the quantity of samples meets your test requirements.

● Features and advantages

- It can be used for the division of all granulate, powder samples.
- Made of stainless steel and ergonomics designed.
- Easy operation and cleaning.



Technical Data

	SD 6.5	SD 12.5	SD 25	SD 25	SD 25	SD 25
Max feed size	approx. 4mm	approx. 8mm	approx. 26mm	approx. 26mm	approx. 33mm	approx.50mm
Max charge	3L	3L	16L	16L	16L	16L
Material	Stainless steel		Stainless steel	Stainless steel	Stainless steel	Stainless steel
Slot size	6.3mm	12.5mm	25mm	37.5mm	50mm	75mm
Number of slots	12	18	16	12	8	6
Instrument size(W*D*H)	440*250*320mm					
Weight	3.5Kg					

Order information —— Sample Splitter

Item No.	Weight(Kg)
----------	------------

Sample Splitter(incl. 3 collecting bucket 1.5L of stainless steel, 1 stand of coated sheet stainless steel, 1 dividing head)

24.872.0001	3.50	sample splitter SD 6.5, with 12 slots, 6.3 mm
24.872.0002	3.50	sample splitter SD 12.5, with 18 slots, 12.5 mm
24.872.0003	0.20	collecting bucket 1.5L(for SD6.5 and SD12.5), 1 pc
24.872.0004	22.00	sample splitter SD 25, with 16 slots, 25 mm

● Three-dimensional Shaker Mixer M10

M10 is suitable for mixing the particulate solid and liquid samples. It can ensure reliable analysis results by rotating evenly, so it is an ideal choice for quality control and R & D.

● Working Principle

According to Schatz Geometric theory, the different specific gravity samples are placed into a closed container and kept rolling-over, inverting, rocking in a multi axial space until to the maximum uniformity.

● Applications

Chemical materials, semiconductor materials, aviation materials, pharmaceuticals, etc

● Features and advantages

- Easy operation, convenient to use
- Dust-free operation, no environmental pollution
- Low noise and high handling capacity



Technical Data

Speed setting range	20~100rpm	Rated power	200W
Time range	00:01~99:59(hr/min)	Power supply	220V, 50Hz
Volume	2L	Instrument size(W*D*H)	496*640*375mm
Net weight	60Kg	Package size(W*D*H)	785*900*780mm

Order information —— Three-dimensional Shaker Mixer M10		
Item No.	Weight(Kg)	
Three-dimensional Shaker Mixer M10		
24.882.0001	60.00	Three-dimensional Shaker Mixer M10, 220V,50Hz
Accessories		
02.882.0101	0.20	sealed wide mouth sample-mixing bottle, plastic,2L
02.882.0102	0.10	fasten rubber ring

● Smart Graphite Digester

Based on the principle of being practical, durable and user-friendly, Broadfield graphite digesters are produced with innovative technology. These digesters have features such as rapid temperature rise, temperature programming, remote control, complete digestion, high efficiency and convenience, etc. They are widely used for various industries such as foods, medicine, agriculture, forestry, environmental protection, disease control and chemical engineering and so forth.

By using the devices, samples are digested in normal pressure; the heating body is made of isostatic pressing high purity graphite material by using special high temperature resistance antiseptic coating spraying process. Compared with conventional heating bodies made of metal materials, they have advantages such as high temperature resistance, acid and alkali resistance, good temperature uniformity, and they are ideal sample pretreatment devices for analytical instruments such as AAS, ICP, ICP-MS, etc. For digestion of soil, food samples, the series can totally replace microwave digesters and electric hot plates. In addition, they can also be used in conjunction with microwave digesters to perform microwave digestion pretreatment or used as the acid elimination treatment device after microwave digestion.



Smart Graphite Digester adopts capacitive touch control and wi-fi wireless remote intelligent controller to set the target temperature, heating rate, and retention time. Users can control the device by app on mobile terminals such as mobile phones or pads, and also can control the device directly on the panel as needed.



● Features and advantages

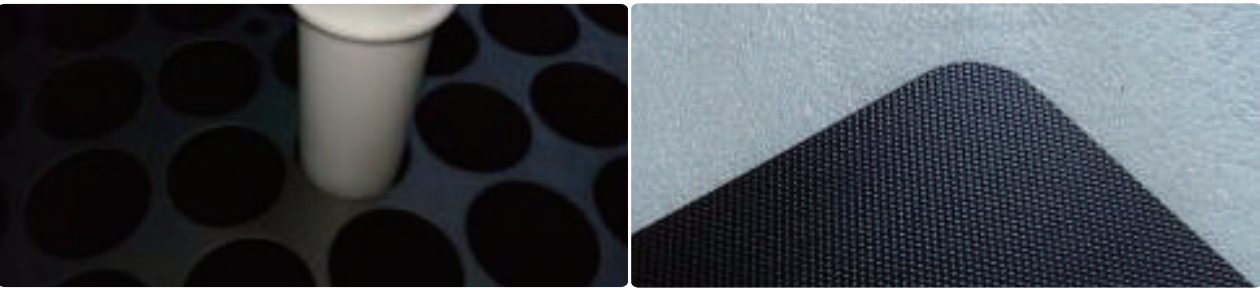
- Multiple configurations, flexible options
- Digestion in normal pressure guarantees safe operation
- Intelligent control, flexible and safe



- Temperature programming for efficient digestion
- Graphite material, infrared heating



- Dual sensors, accurate temperature measurement
- Advanced algorithm, stable temperature
- Antiseptic design, stable and reliable
- Alarm design, guarantees safety



○ B Series technical specification

Description	B160	B250	B360
Temperature range	environment~240℃		
Temperature zone	single temperature zone		
Sample specification	16holes-Φ30	25holes-Φ42	36holes-Φ30
Hole temperature uniformity	± 1.0℃ (@95℃) ± 2.0℃ (@195℃)		
Temperature resolution	0.1℃		
Temperature accuracy	± 1.0℃, It can be calibrated at 9 temperature points		
Power	900W	1400W	1400W
Rate of temperature increase	10 ℃/min ,<95℃ 8 ℃/min ,<195℃		

○ BH Series technical specification

Description	BH160	BH250	BH360
Temperature range	environment~450℃		
Temperature zone	single temperature zone		
Sample specification	16holes-Φ30	25holes-Φ42	36holes-Φ30
Hole temperature uniformity	± 1.0℃ (@95℃) ± 2.0℃ (@195℃) ± 3.0℃ (@395℃)		
Temperature resolution	0.1℃		
Temperature accuracy	± 1.0℃, It can be calibrated at 9 temperature points		
Power	1800W	2800W	6000W
Rate of temperature increase	10 ℃/min ,<95℃ 8 ℃/min ,<195℃ 5 ℃/min ,<395℃		

Order information ——Smart Graphite Digester		
Item No.	Weight(Kg)	
Smart Graphite Digester		
24.884.0001	21.00	B160, 220V,50Hz;
24.884.0002	30.00	B250, 220V,50Hz;
24.884.0003	30.00	B360, 220V,50Hz;
24.884.0004	21.00	BH160, 220V,50Hz;
24.884.0005	30.00	B160, 220V,50Hz;
24.884.0006	30.00	BH250, 220V,50Hz;
Accessories		
01.884.0101	0.10	external temperature probe, length:260mm
Holder		
01.884.0102	1.00	36 hole single deck steel frame: Φ31mm (coating PTFE)
01.884.0103	1.00	18 hole single deck steel frame: Φ44mm (coating PTFE)
01.884.0104	1.00	48 hole single deck steel frame: Φ31mm (coating PTFE)

The above is only partial information of items, for more details please contact POWTEQ Company.

