

Marks Grinder Planetary Ball Mill M40/BM6Pro

● Features and advantages

- Powerful and quick grinding down to nano fineness
- Suitable for long-term and continuous operation
- Reproducible results due to program grinding parameters
- Grinding chamber automatic ventilation system for cooling the grinding jar
- Grinding jars have 6 kinds of material ,the volume various from 12ml-500ml
- Automatic direction reversal to avoid agglomerations
- With 4 grinding platforms can process 2,4,8 samples simultaneously (BM40)
- Speed ratio is customizable

● Comfortable operation and easy cleaning

Efficient, maintenance-free drive is used for planetary ball mill, so as to guarantee the machine can maintain constant speed in continuous operation for a long time or under maximum overload. During the grinding, built-in high-power fans can automatically provide effective cooling for motors .

- The planetary ball mill is designed by ergonomics, which integrates comfort and safety in operation.
- The intelligent security lock ensures the safety of the instrument operating.
- The humanized program design can set the grinding time, and can operate without the need of personnel monitoring.

Grinding jar' s feature

- The jar' s capacity and material are marked on the grinding jars ,which is easy to distinguish from others.
- Wide kinds of materials to meet different treatment requirements
- The O-ring can guarantee the dust -prevention
- It' s easy to open the jars by the gap, which exists between the grinding jars and lids
- Grinding jars of agate, sintered aluminum oxide, zirconium oxide and tungsten carbide are coated with stainless steel jacket
- Easy and safe to operating

Filling recommendation of grinding jars

Grinding jars	BM40/GPro		The recommendation of the sizes and quantities of grinding balls				
	Rated volume	Sample quantity	Sample feeding size	10mm	20mm	30mm	40mm
50ml	5-20ml	< 3mm	10pcs	2pcs	—	—	
80ml	10-35ml	< 4mm	25pcs	4pcs	—	—	
125ml	15-50ml	< 4mm	30pcs	6pcs	—	—	
250ml	25-120ml	< 6mm	60pcs	13pcs	6pcs	—	
500ml	75-225ml	< 10mm	100pcs	22pcs	9pcs	5pcs	



Multi-safety design of grinding jars

- For colloid grinding,the grinding jars are equipped with safe closure device for gas-tight and dust-proof to ensure safe operating.
- Safety closure device can be sealed in colloid grinding (wet grinding) to ensure the overpressure gas not easily escape.
- Aeration lids are mainly used for protecting the inert gases generated inside grinding jars.
- The safe closure devices can guarantee the high-level gas tightness inside grinding jars so as to ensure that the grinding result is not affected.



Pressure and temperature measuring system

During the operation of planetary ball mill, the process and reactions (such as temperature, pressure change, etc.) take place in the grinding jars could be monitored and recorded by the PTM to achieve better grinding and analysis results.



Jar-opening tools

GRINDER has special designed jar-opening tools for the grinding jars of planetary ball mill series. The user-friendly design makes the jar opening work more easy and safe.



GRINDER

Technical Data

	BM40	BM6Pro
Feed Size	< 10mm	
Final fineness	< 0.1µm (up to nanometer for colloidal grinding)	
Speed	30 ~ 400rpm	100 ~ 650rpm
Speed ratio	1:-2.3	1:-2
Time	0-999min(recycle times 01-99)	
Effective sun wheel diameter	360mm	260mm
Display	LED 7 inch display	
Rated power	1.5KW	750W
Power supply	220V,50Hz	
Instrument Size (W*D*H)	645*768*621mm	685*510*506mm
Package Size (W*D*H)	865*979*896mm	898*784*770mm
Net Weight	158Kg	75Kg