

**POWTEQ®**



**Portable Cutting Mill CM50**

## ◇ Portable Cutting Mill CM50

Portable Cutting Mill CM50 can perfectly process regular or irregular samples and it is an ideal machine for heavy-metal-free ROHS and WEEE test (e.g. rubber, plastics, garbage, circuit board, etc.).



CM50

### ○ Application field

○ **Sample type :** soft, hard, tough, fibrous

○ **Typical sample :** plastic, rubber, wood, circuit board etc.

### Application Examples

Before grinding	After grinding	Parameter	
		Sample	carton
		Speed	1500rpm
		Sample characteristic	soft
		Remarks	feed speed
		Time	1min
		Sample	nylon plastic
		Speed	1500rpm
		Sample characteristic	tough
		Remarks	feed speed
		Time	1min

## ○ Working Principle

Portable Cutting Mill processes the sample by the strong cutting and shear force. Samples are fed from the hopper and then fall into the grinding chamber. The samples are crushed many times through the shearing action between the rotor and cutting blades. Then the sample is crushed again through the shearing action between the rotor and sieves. Once the sample size is smaller than the aperture of the sieve, they will enter into the receiving container.

## ○ Features and advantages

- The maximum capacity is 60ml.
- Easy operation and cleaning.
- The rotor and the sieve can be easily installed, removed & replaced.
- The small volume cutting chamber can be cleaned easily and thoroughly.
- The grinding set can avoid cross-contamination has heavy-metal-free material for choice to meet different laboratory requirements.
- The grinding process is rapid and produces less heat. So it is suitable for grinding temperature sensitive materials.

## ○ Accessories



- Different materials of rotor for choice
- The rotor and sieve can be easily removed

## ○ Technical data

	CM50
Feed size	< 10 mm
Final fineness	0.3-4mm
Speed	500-3000rpm
Batch quantity	60g
Sieves	0.3、0.5、1.0、2.0mm
Rated power	125W
Power supply	220V, 50/60Hz
Instrument size	267*387*259mm
Package size	450*330*305mm
Net weight	14kg