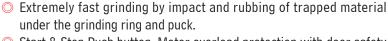


VIBRATORY GRIND MILL

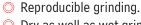
For efficient dry or wet grinding of brittle and very hard samples to analytical fineness. Most suitable for "XRF" "XRD" and "AA" sample preparation.

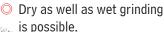
PRINCIPLE OF OPERATION Grinding is done by heavy impact and friction. Sample is kept in the annular space between the bowl, ring and the puck. A cover is kept on the top of the bowl then the bowl is clamped on vibratory platform and subjected to heavy vibrations. The vibratory platform imparts the kinetic energy to the ring and the puck.

FEATURES ----



- Start & Stop Push button, Motor overload protection with door safety system and fault indication lamps are provided.
- Soundproof enclosure facilitates noise below 71db during operation.
- One year warrantee against any manufacturing defects.
- Analytically pure grinding without any loss of material.







- O REGULAR ZHM-1A Single bowl set with fixed speed 1400 r/min
- ZHM-1B Sing 阿 le bowl set with fixed speed 960 r/min.
- ZHM-1T Single bowl set with two speed 910/1400 r/min.
- ZHM-1V Single bowl set with adjustable speed from 750 to 1550 r/min.
- ZHM-3B Three bowl sets with fixed speed 960 r/min.

Model CT01 Hardened alloy steel bowl set

Hardness: RC 60/62

Approximate Composition: Carbon 0.95%

Manganese 1.25% Chrome: 0.50% Tungsten 0.50% Vanadium 0.2%

Model CT02 Chromel steel bowl set

Hardness: RC 60/62

Approximate Composition: Carbon 2.0%

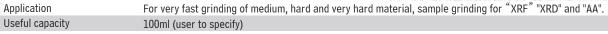
Chrome: 12.0% Molybdenum 085% Vanadium 0.2% Model CT03 Lined tungsten carbide bowl set

Hardness: Approx. 8.5 Mohs

Approximate Composition: Tungsten Carbide 94% Cobalt 5.5% Trace elements in order of 0.002% to 0.02%: Iron, Nickel,

Vanadium, Tantalum & Silicon

These bowl sets need to be ordered separately.



Maximum Feed size 5_{mm}

Time required For grinding 1 to 3 minutes (depending on the material characteristics)

Output size Up to 75 microns (depending on material properties)

Grinding elements 1 bowl + 1 ring + 1 puck for 100 ml

Hardened steel with tough core / AISI304-SS / Lined tungsten carbide / Tungsten carbide lined with Ti Al N coating Material of grinding element

/ Agate / Zirconia (Stabilised) / Toughened Alumina / Corundum (natural and sintered).

Timer 0-255 (minutes & seconds)

Power AC380V10%, 50HZ, 3-phase + Earth

Machine: 180kg, 650x600x960mm Packed: 240kg, 820x760x1320mm(Ply wooden case) Weight and Dimensions

ZHM-3B Machine: 260kg, 710x810x1080mm Packed: 340kg, 780x880x1150mm(Ply wooden case)