

## BENCH TOP RING MILL



### Uses

Used for pulverising rocks, soil, coal, cement, glass, limestone, bricks, wood, plant material, slags, concrete, Ferro-alloy etc. for XRF, XRD or other instrumental methods or wet chemistry.

### At a Glance

Whisper Series Bench Top Ring Mills have been developed for laboratories pulverising 1 to 100 gram samples.

- § Small and compact to fit on a work bench
- § Heads can also be used on the normal size ring mill
- § Noise level less than 80 dBa
- § Motor: 0,18kW

### Head Options

- § Chrome Steel
- § Chrome Steel with split disc
- § Carbon Steel
- § Tungsten Carbide
- § Zirconia

### Advantages

- § Very fast grinding
- § Dust free grinding
- § Uniformly fine grinding
- § Very low contamination of samples
- § Maintenance free
- § Easy to clean
- § Low capital cost
- § Long life



## **RANGE OF HEADS**



ROCKLABS provides a range of 6 Bench Top and 24 Standard Ring Mill Heads.

Choosing the most suitable Head means maximising efficiency in sample processing. The choice of Head type is determined by the size and type of sample to be pulverised.

ROCKLABS smaller Heads (e.g. Carbon 40, Zirconia 40) will handle down to 1.0 gram of sample, while progressively larger Heads (e.g. Chrome or Carbon 1000) will handle up to 1.0 kilogram of sample at a time. While Head wear is low, the composition materials used in Heads are a possible cause contamination. Choose from our Head range 1) Agate 2) Carbon Steel 3) Chrome Steel 4) Tungsten Carbide 5) Zirconia 6) Sialon

### **Bench Top Ring Mill Heads**

Carbon 40 & 100, Chrome 40 & 100, Tungsten Carbide 40 and Zirconia 40

### **Standard Ring Mill Heads**

Agate 50 and 200, Tungsten Carbide 40 and 200, Zirconia 40 and 200

Carbon 40, 100, 200, 250, 350, 500, 600, 800 and 1000

Chrome 40, 100, 200, 250, 350, 500, 600, 800 and 1000

Grinding materials	Typical composition of materials
Carbon steel	Fe :98% – C :0,48% - Mn : 7000ppm Si: 2500ppm – Cr: 1200ppm – S:<350ppm
Chrome steel	Fe :86% – Cr :12% - C : 2% Si: 4500ppm – Mn: 3500ppm – Ni:800ppm
Tungsten carbide	W :84,5% - Co : 10% - C : 5,5%
Zirconium oxide	Zr : 70,3% - Mg : 2% - Hf : 1,3% - Sr : 1000ppm

Please contact us for more information and advice in choosing the most suitable Head for your Ring Mill needs.