

**Mini-Sieve™  
Micro Sieve Set**

*For Hand Held Use in Lab or Field*

This micro sieve set consists of a stack of four interchangeable screen holding sections, a catch pan, a cover and four screen retaining rings. All parts are molded of polypropylene. Sections are friction-fit and easy to assemble and take apart for sample retrieval. Sorting parameters can be changed by exchanging the removable phosphor-bronze mesh inserts, (eight included, one each: 25, 35, 45, 60, 80, 120, 170 and 230 standard mesh). Each holding section is 51 mm (2") I.D. x 29 mm (1 1/8") high, and holds about 60 cc. Dimensions of the assembled Mini-Sieve™ Micro Sieve Set with pan and cover are 164 mm (6 1/2") high x 73 mm (2 7/8") maximum diameter.

**NEW** Improved Design!



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**Additional Mesh Inserts** Pack of 8 Phosphor-Bronze screen inserts, 1 each of 25, 35, 45, 60, 80, 120, 170, and 230 standard mesh.

CATALOG NO.		PRICE/EACH
F37845-1000	Mini-Sieve™ Micro Sieve Set	\$89.00
F37846-0000	Additional Mesh Inserts	64.90

**Liquid Nitrogen  
Cooled Mortar**

*Grind Frozen Samples without  
Liquid Nitrogen Hazards*

Frozen tissue samples can be ground without the hazard of liquid nitrogen droplets flying onto personnel. A 304 stainless steel mortar is suspended by three brackets above a stainless steel bowl which holds the liquid nitrogen. The bowl is nested in a heavily insulated blue polyethylene housing. The mortar has an insulated handle, 102mm (4") long, that is removable for saving space. The housing measures 165mm (6 1/2") in diameter x 114mm (4 1/2") high and has three suction cup feet. The recommended size pestle is any size appropriate for a 275ml mortar. Pestle not included.



CATALOG NO.	PRICE/EACH
H37260-0000	\$198.00

**Stainless Steel Mortar**

Spare mortars are useful for grinding different types of samples on the same day. Handle not included. The mortar's tang fits into the removable handle available with the H37260 mortar set. Pestle not included.

CATALOG NO.	PRICE/EACH
H37260-0001	\$66.00

**Micro-Mill® Grinders**

U.S. Patent No. 3,606,178

*With Interchangeable Grinding Chambers*

For rapid, high-speed grinding of small samples from 20 to 50cc. Stainless steel or hard-faced blade rotates at speeds up to 12,000 rpm will successfully grind bauxite, bone, ceramics, coal, Devorda's alloy, fertilizer, filter paper, fly ash, frozen tissue, glass, grain, kaolinites, leaves, limestone, muscle tissue, pharmaceuticals, pigment blends, plastics, rocks, roots, shale, seeds, slags, soil, teeth, wood, etc. The grinder operates only when the cover is latched in place to provide safety and prevent sample loss.

Temperature is maintained by means of built-in heat exchangers, and the control panel has an overload protection reset button and a pilot light. Tubing connections 6.4mm (1/4") on the cover and housing accept tubes for circulating water, methanol/dry ice liquid, or liquid nitrogen. Cover, grinding assembly and milling blade head are removable for cleaning. The chamber is 54mm diam x 25mm deep (2 1/8 x 1") inside an aluminum housing with an epoxy finish and non-skid rubber feet.

The 1/2 horsepower (150 Watts) motor develops a torque of 2.2 kg-cm (30 oz-inches) at 12,000 rpm. Supplied with a 1.8M (6ft) 3-wire cord and grounded plug. The overall dimensions are 14 x 18 x 28cm high (5 1/2 x 7 x 11"). Shipping weight. 6.4 kg (14lbs).



Three models available:  
MICRO-MILL® GRINDER with stainless steel blade and grinding chamber and momentary hold-down switch. Operates only when switch is held down.

CATALOG NO.	DESCRIPTION	PRICE/EACH
H37250-0000	115VAC, 60 Hz	\$1200.00

MICRO-MILL® GRINDER with stainless steel blade and grinding chamber, with 0 - 5 minute timer with "ON" position for continuous operation.

CATALOG NO.	DESCRIPTION	PRICE/EACH
H37252-0000	115VAC, 60 Hz w/ electrical timer	\$1275.00
H37252-0001	230VAC, 60 Hz w/ mechanical timer	1425.00

MICRO-MILL® GRINDER with hard, stellite faced blade and grinding chamber, with timer.

CATALOG NO.	DESCRIPTION	PRICE/EACH
H37254-0000	115VAC, 60 Hz	\$1500.00

MICRO-MILL GRINDER® Replacement Blades  
No. 304 Stainless Steel blade for H37250 and H37252.

CATALOG NO.	PRICE/EACH
H37257-0000	\$7.80

MICRO-MILL GRINDER® Hard-Faced Blade  
For H37254. Stellite-faced blades for grinding samples up to hardness of stellite 6.

CATALOG NO.	PRICE/EACH
H37258-0000	\$54.00