THE COMPLETE LINE OF SWECO VIBRO-ENERGY GRINDING MILLS

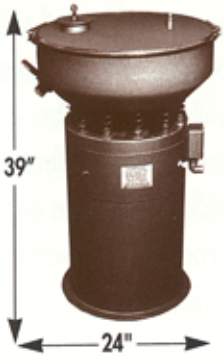
DRY GRINDING/CLASSIFICATION SYSTEM WITH SEPARATOR

This system incorporates a High Amplitude Grinding Mill, a SWECO Separator, bucket elevator, and control panel. It has been designed especially for processing chemicals, ceramic materials, metallic minerals, for recovering casting sand, and for reclaiming green powdered metal parts.

Approximate chamber capacities: Choice of 3, 10, 20 and 70 cubic feet.

DM1 High Amplitude Grinding Mill

Approximate chamber capacity is 1.2 cubic feet. Lining: 1" cast polyurethane. One cast polyurethane discharge door, including media retainer. Polycarbonate cover secured to chamber by quick release clamp ring. Motion generator: 1/3 HP. Shipping weight: 220 lbs. Normal media load: 80 lbs.



DM3 High Amplitude Grinding Mill

Approximate chamber capacity is 3 cubic feet. Lining: 5/16" cast polyurethane elastomer. One perforated plate discharge door. One metal cover secured by clamp ring and equipped with one charge port. Motion generator: 1 1/4 HP. Linings also available in ceramic and stainless steel. Shipping weight: 475 lbs. Normal media load: 300 lbs.

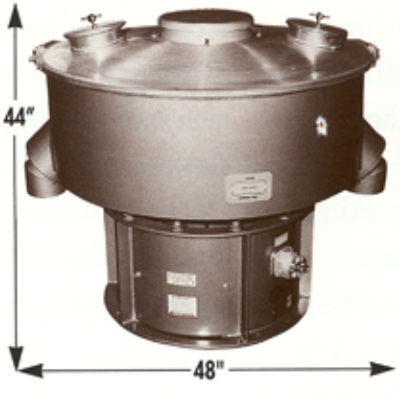
DM20 High Amplitude Grinding Mill

Approximate chamber capacity is 20 cubic feet. Lining: 3/4" cast polyurethane elastomer. Two air operated discharge doors located 180° apart. One metal cover secured with clamp ring and equipped with two charge ports. Motion generator: 10 HP. Shipping weight: 2,700 lbs. Normal media load: 2,000 lbs.

Motion Generator options for all models: 230, 460 or 575 volt, 60 cycle, 3-phase, 1200 RPM, 1/4 HP, TENV. UL Approved Motion Generator for Hazardous Location, Class I, Group D, and Class II, Groups F and G, also available.

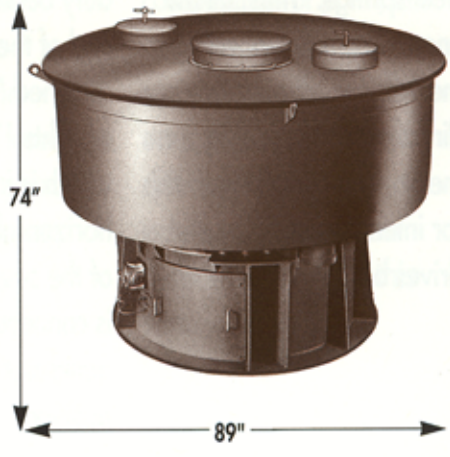
DM10 High Amplitude Grinding Mill

Approximate chamber capacity is 10 cubic feet. Lining: 3/4" cast polyurethane elastomer. Two perforated plate discharge doors located 180° apart. One metal cover secured with clamp ring and equipped with two charge ports. Motion generator: 5 HP. Lining also available in alumina ceramic. Shipping weight: 1,100 lbs. Normal media load: 1,000 lbs.



DM70 High Amplitude Grinding Mill

Approximate chamber capacity is 70 cubic feet. Lining: 1" cast polyurethane elastomer. Two air operated discharge doors located 180° apart. One metal cover bolted on and equipped with three charge ports. Motion generator: 40 HP. Lubrication system and control panel provide complete motion generator protection. Lining also available in alumina ceramic. Shipping weight: 9,000 lbs. Normal media load: 7,000 lbs.



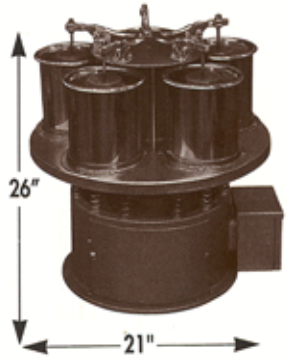
DRY GRINDING/CLASSIFICATION SYSTEM
Dry grind, pneumatically transport, classify and collect materials within one integral system. This system consists of a High Amplitude Grinding Mill, a Turbo-Screen® and a cyclone arranged on a skid for closed-circuit grinding.

It easily processes particle sizes ranging from 250-20 microns. It also handles electrostatic materials. In fact, the system is ideally suited for any application requiring efficient particle size reduction, combined with positive, exact finished product screening — foods, chemicals, plastics and ceramics, for example.

Approximate chamber capacities: Choice of 3, 10, 20 and 70 cubic feet.

M18 Low Amplitude Grinding Mill
Maximum working capacity is 2.6 gallons. Standard base with 12 spring assemblies. Product discharge valve assembly. Metal cover assembly. Motion generator: 1/4 HP. Shipping weight: 200-250 lbs. Normal media load: 200 lbs. 1/2" sintered alumina rods.

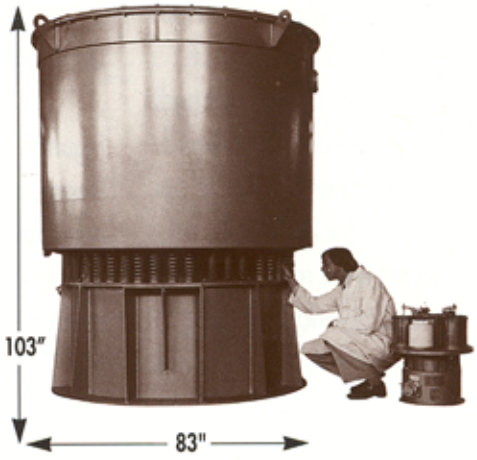
M18/5 Multiple-Chamber Low Amplitude Grinding Mill
The M18/5 was designed for simultaneous test grinding, dispersion, and sampling of up to 5 different types of materials in small batches. Working capacity in each chamber is 1 pint. Metal cover assemblies are locked into place during grinding cycle. Motion generator: 1/4 HP. Shipping weight: 200-225 lbs.



M45 Low Amplitude Grinding Mill
Maximum working capacity is 27 gallons. Standard base with 12 spring assemblies. Cover assembly with one charge port, and product discharge assembly with product discharge valve. Motion generator: 5 HP. Series grinding connection for all types available as an option. Shipping weight: 1,400-2,200 lbs. Normal media load: 2,100 lbs. 1/2" sintered alumina rods.

M60 Low Amplitude Grinding Mill
Maximum working capacity is 70 gallons. Standard base with 34 spring assemblies and a remote drive weight bearing assembly. Cover assembly with one charge port. Motion generator: 10 HP. Series grinding connection for all types available as an option. Shipping weight: 5,500-7,500 lbs. Normal media load: 5,600 lbs. 1/2" sintered alumina rods.

M80 Low Amplitude Grinding Mill
(Also shown M 18/5 Lab Model)
Maximum working capacity is 182 gallons. Unit features 46 heavy-duty springs. Heavy-duty bearings. Lube-Pak system. Water-cooled chambers available with stainless steel or cast bottom units. Bolted cover assembly with three charge ports. Media discharge port. Product discharge valve assembly. Series grinding inlet. Motion generator: 40 HP (optional 20 and 50 HP also available). Shipping weight: 11,000-16,000 lbs. Normal media load: 14,000 lbs. 1/2" sintered alumina rods.



Lining configurations available for low amplitude mills:
L — Replaceable abrasion-resistant elastomer lining.
S — Type 316 Stainless Steel grinding chamber. Water jacket available.
RC — Cast bottom with bolt-on inner and outer type 316SS walls to permit easy replacement as needed.
C — Ceramic lined chamber.
T — Ceramic lined with a solvent resistant fluoropolymer elastomer.