

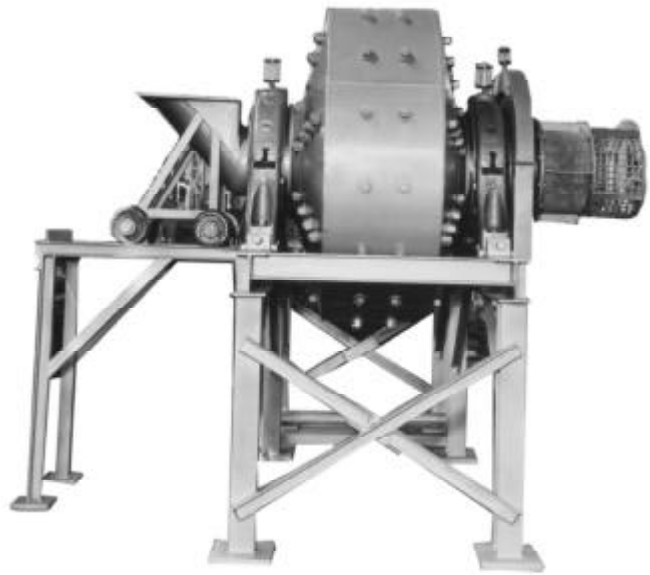


The 6' X 2' Pilot Plant Size Autogenous Mill

Following the testing procedure that determines the basic suitability of ores to Autogenous or Semi-Autogenous grinding (discussed previously), the next step is to conduct testing in a pilot plant sized Autogenous or Semi-Autogenous mill, such as the 6' x 2' mill on a continuous feed basis. With these tests conducted, an accurate, efficient Autogenous or Semi-Autogenous grinding circuit may be designed for any grinding application.

Applications:

- * The Autogenous and Semi-Autogenous Mills have been used to grind run of mine ore (occasionally following a cone or jaw crusher to insure that oversize ore is not fed to the mill),
- * The Autogenous or Semi-Autogenous mill may be used to produce either a finished product, or an intermediate product for further grinding in a ball mill.
- * The Autogenous mills have been utilized to reduce solid municipal and industrial waste.



6 Ft Diameter, 2 Ft Wide Autogenous Mills

The 6' x 2' Autogenous or Semi-Autogenous mill is complete with shell trunnions, 23" diameter x 4" bronze bushed trunnion bearings. Trunnion bearing oil lubrication is provided through an external 3 gallon oil reservoir with a 1/4 HP/0.5 GPM pump rated at 600 PSI and a 30 mesh safety screen, a feed chute, discharge spout, chain and sprocket drive through a reducer and an adjustable sheave belt drive to a 25 HP/1200 RPM/NEMA C open drip proof 3 Ph/230-460 V/50-60 Hz motor.

The adjustable sheave drive provides for a mill speed range from 59% to 72% of critical speed. Internal lining of the mill consists of Ni-Hard feed cone and cylinder liner plates, chrome-moly wedge bars for cylinder plates, discharge cone wear plates and lower feed cone liner plates. Wear resistant cast iron alloy is used for discharge cone spiral wear plates and ductile iron discharge grates with 3/4" to 1/2" slots with one 3-1/4" square port opening per grate segment are provided. The mill is assembled on a structural steel base and supporting stand. A motor starter is not included.

CATALOG NUMBER	DESCRIPTION	WORKING VOLUME	MOTOR ELECTRICAL	SHIPPING WEIGHT
010E-130	6' X 2' Autogenous Mill	47.5 CF	25 HP/230-460 V/ 1200 RPM/50-60 Hz	21,000 Lbs.