

Wet Pan Mill for Gold Ore Processing

The wet pan mill is designed for grinding gold ore and other minerals into a slurry. It features heavy rollers rotating within a circular pan to effectively crush and pulverize materials.



ADDITIONAL IMAGES



Overview



Robust design suitable for small to medium-scale gold mining operations.



Engineered for high-efficiency gold ore processing and refining.

High-Efficiency Gold Ore Grinding

The wet pan mill is a premier alternative to traditional ball mills, offering a small investment footprint with high output and low production costs. Specifically designed for small and medium-sized enterprises, it excels in processing gold, silver, lead, zinc, and copper ores. Its robust construction and easy installation make it an ideal choice for continuous operation in demanding mining environments.

Key Benefits

- Low initial investment and production costs
- High grinding efficiency and output
- Simple installation and maintenance
- Ideal for small to medium-scale beneficiation

Technical Specifications



Various models including economical and standard versions to suit different production capacities.

Model Specifications

Model	Roller Dia (mm)	Roller Thickness (mm)	Base Dia (mm)	Power (kw)	Weight (t)
YX-1600A	1600±10	400±10	2100±10	37	14.5
YX-1500A	1500±10	400±10	2050±10	30	11.5
YX-1200A	1200±10	250±10	1600±10	7.5-11	4.2

Performance Highlights

22 r/min
Max Speed

1200 mm
Standard Roller Dia

Applications

Compatible Minerals

Gold, Silver, Lead, Zinc, Iron, Molybdenum, Copper, Antimony

Working Principle

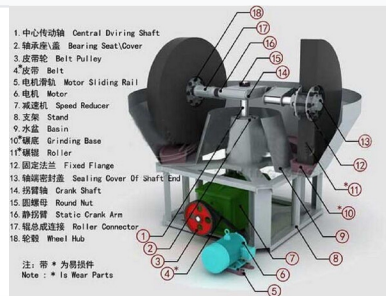


Heavy rollers provide the necessary pressure for fine grinding and mineral liberation.

How it Works

The machine utilizes the weight of heavy wheels to repeatedly squeeze and mill the ore until it is completely crushed. In gold processing, mercury is added to the water to form an amalgam with the liberated gold particles. After 24 hours of operation, the mercury is recycled and filtered through high-density cloth to recover the gold.

Construction & Parts



Detailed view of the drive system, rollers, and grinding base assembly.

Main Components

- Central Driving Shaft
- Speed Reducer
- Grinding Base
- Heavy Rollers
- Basin
- Motor Sliding Rail
- Crank Shaft

Wear Parts

- Belt • Roller

Compliance

Quality & Compliance

CE, ISO 9001, Enterprise Credit AA