MARTIAL PROCESSING
Transforming Ores into a Refined Product

Two primary approaches:

PYROMETALLURGY

ABA: SMELTING

USED FOR: Sulphide ores

WORKS BY: Concentrating metal-bearing ores and then smelting them.

HYDROMETALLURGY

ABA: SOLVENT EXTRACTION ELECTRO-WINNING

USED FOR: Oxiide ores and low-grade sulphide ores

WORKS BY: Leaching metals from ore and then extracting metal from the impregnated solution.

These approaches are often used to process:

PYROMETALLURGY

- COBALT
- NICKEL
- COPPER
- ZINC
- SILVER
- GOLD

HYDROMETALLURGY

- COBALT
- NICKEL
- COPPER
- ZINC
- SILVER
- GOLD

The pyrometallurgical approach for processing copper is illustrated below. Please note that the process may vary depending on the type of metal being processed.

HYDROMETALLURGY

The hydrometallurgical approach for processing copper is illustrated below. Please note that the process may vary depending on the type of metal being processed.

These methods are used to:

PYROMETALLURGY

- Sulphide ores

HYDROMETALLURGY

- Oxide ores and low-grade sulphide ores

These methods work by:

PYROMETALLURGY

- Concentrating metal-bearing ores and then smelting them.

HYDROMETALLURGY

- Leaching metals from ore and then extracting metal from the impregnated solution.

These methods are used for:

PYROMETALLURGY

- Works by concentrating metal-bearing ores and then smelting them.

HYDROMETALLURGY

- Works by leaching metals from ore and then extracting metal from the impregnated solution.

For more information, contact us today at FEECO.com/contact.

FEECO is a leader in metal and mineral processing. We provide custom pug mills for concentrates, and agglomeration drums for the heap leaching/SX-EW process. Our agglomeration drums are utilized in some of the world’s largest and most environmentally advanced mines.

We can also provide all of the handling equipment to support the process.

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