



# Pump Applications in Gold Mining

**Southern Pumping brings extensive expertise to diverse mining applications, spanning coal mines, underground operations, zinc mining, open-cut mining, sand and gravel quarries, and more. Our array of tailored pumps caters to the unique demands of each mining scenario.**

At Southern Pumping we offer consultation and solution ideation, full-service maintenance of pump systems, sourcing and distribution of specialized pump componentry, and perform fabrication, machining, and repairs in our own workshop.



Selecting pumps for mining is a specialized process, as no two pumps are identical in this field. Our meticulous approach considers crucial factors such as required discharge head/pressure, suction conditions, fluid type, fluid temperature, available power, spare parts availability, ease of service, and other site-specific requirements.

Southern Pumping conduct thorough assessments to precisely match the right pump to your mining site.

**Southern Pumping is your partner for all things pumping.**



## Open-Pit Gold Mining

Submersible dewatering pumps are vital for open-pit gold mining, efficiently removing water from pits to distant discharge sites. They handle high flow rates and operate while submerged, eliminating the need for extra infrastructure. Their durable construction withstands harsh conditions, and their compact design allows easy installation and mobility. With reduced noise and a lower risk of cavitation, these pumps are adaptable and reliable, making them ideal for dewatering in open-pit mining.



## Underground Gold Mining

Slurry pumps are vital for underground gold mining because they can handle abrasive, solid-filled fluids. These heavy-duty centrifugal pumps are designed for the harsh conditions underground and can efficiently transport slurry to the surface for processing. Their wear-resistant construction ensures durability, and their robust performance is essential for maintaining productivity. The ability to handle high concentrations of solids makes slurry pumps a reliable choice for underground gold mining operations.



## Gold Tailings Management

Peristaltic pumps are ideal for managing gold mining tailings because they can handle high-viscosity and abrasive materials with ease. The hose pump design ensures smooth transport without excessive wear or clogging, thanks to its gentle squeezing action. This allows for precise dosing and control, which is crucial in tailings management. Peristaltic pumps require minimal maintenance, as they lack valves or seals that commonly wear out, reducing downtime and costs. Their adaptability to varying flow rates makes them a reliable and flexible choice for handling gold tailings.

- ✓ Source
- ✓ Custom Retro-Fit
- ✓ Mobile Service Units
- ✓ Set Price Servicing
- ✓ Supply Components
- ✓ No Call Out Fee
- ✓ Product Training
- ✓ Laser Alignment
- ✓ 1hr Min Charge Out
- ✓ Condition Monitoring
- ✓ On Site Workshop
- ✓ No Extra Travel Costs



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