

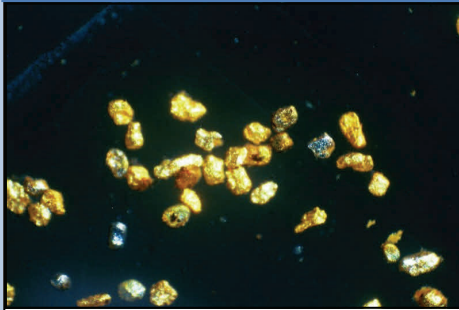
Cleangold® Magnetic Sluice Technology

For further information:

<http://www.cleangold.com/cleangold/home.html>

Cleangold has been proven by several independent lab and field tests (including two major University studies), to outperform mercury and the industry's state of the art fine gold recovery devices.

Cleangold's technologies demonstrate how Hg-free alternatives can be applied to many different mining settings to extract gold as efficiently as possible



Gold from the Tarkwa region of Ghana. Nominal mag. 100X. Size range 30-60 microns in diameter. Sample collected from tailings of a carpet sluice running milled alluvium.

Existing process:

Centrifuges, flotation cells, and cyanide that avoid Hg use can all be used to extract gold efficiently. However, residual gold often still exists, which is often tossed away in tailings.

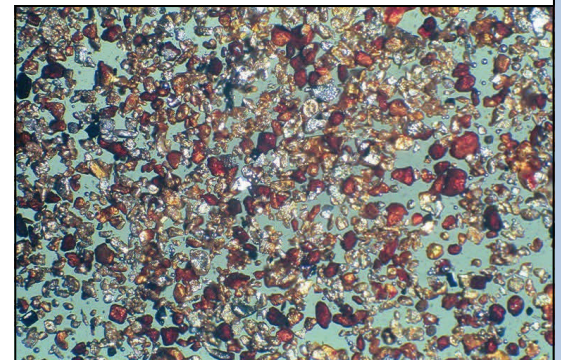
Intervention:

Cleangold is a powerful, efficient, gravity recovery method for the extraction of micron gold, platinum, and other minerals of commerce.

Particularly significant is Cleangold's ability to concentrate and extract micron gold from black sands without the losses typically associated with toxins or expensive, conventional systems that require large amounts of clean water, power, or maintenance. This Hg-free technology can be especially effective at sites where inefficient extraction processes are employed.

Outcomes:

- Highly efficient separation of micron gold particles from the ore
- No Hg or other hazardous chemicals used—outperforms Hg on gold particles below 60 microns
- Improved environment, health, and quality of life for local communities due to greater economic and health benefits
- Miners' return on investment for Cleangold equipment is typically fewer than three weeks



Gold from a copper plate amalgam system replaced by Cleangold. The red particles are oxide-coated gold that resists amalgamation, resulting in high losses for this Surinamese miner. 5-70 microns. Nom. mag 100X.



The Cleangold Prospector's Sluice is ideal for high grading ore samples or investigating an ore source. 8"x8"x3" 1lb.



The Cleangold Cleanup Trough is a fast, efficient method to recover fine and micron gold from concentrates. 6"x24"x2"



The Cleangold Sluice Insert can be used singly or in multiple arrays to create modifications to conventional alluvial and hardrock operations 23.5"x24"