



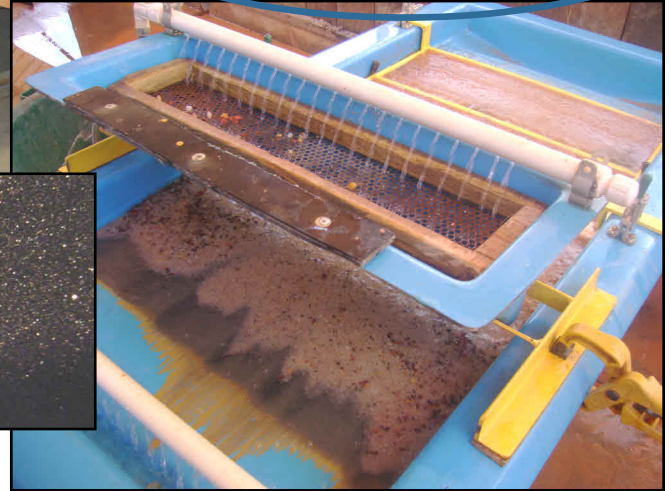
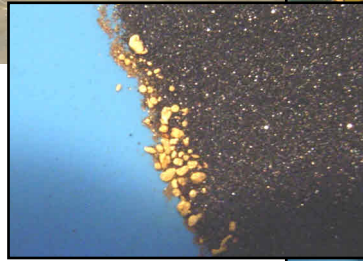
STAND #2014
LIVE DEMONSTRATION OF THE
MICRON MILL WAVE TABLE

How It Works: The pictures show the wave theory of the table. Separating by specific gravity, the sand forms in ripples directly under the standing wave of water. Even light blond sand forms ripples, not washing away.

Due to the Standing Wave principle, the heaviest particles remain through the low motion area of the Standing Wave. The wave itself moves; the water directly beneath the wave tends to stand still. The further from the top of the wave, the less motion is in the water. Thus, the heavier the particle the deeper it will ride and the less motion it will see. The "Riffle Pump" attached to the top bar of the Riffle Bar assists in dropping 'float gold' to the table surface, enabling a faster production run without fear of losing gold or other metals that normally would be lost on most tables.

In view of the fact that the table top moves back and forth, the micron particles of heavy material (gold, PGMs, scheelite, copper, zinc oxide, etc.) sink to the bottom under the wave. The finer particles (-600 mesh and smaller) drop into a Skin Effect area. That area is directly against the skin of the table top. The water in this area does not move with the flowing water but rather sits almost still. The motion of the table causes this "Skin Effect" water to move in the opposite direction of the flow.

Thus the fine gold or mineral moves 'up' the table and falls into the concentrate trough. The gold and/or concentrates can then be washed automatically into a concentrate bucket or a security safe, or vacuumed off the table. *Ore should be classified according to size for efficient results.*



Heart of the System:

Superior, top-of-the-line linear bearings: responsible for the precision back and forward motion of the table top, preventing up and down vibration that causes gold or heaviest materials to break loose and wash away. The bearings move back and forth on steel rods.

Highest Quality Fiberglass Top: vacuum-formed, sealed fiberglass top is built to give years of satisfactory results, conducive to not warping (store out of direct sunlight). The finish blue color has been proven to be the best color contrast for gold viewing.

Heavy metal framework: easily adjustable yet built to take the abuse of ore processing; .

The Micron Mill Wave Table can be fed from an overhead tank, slurry fed by conveyor belts, or by pipe, depending on your setup requirements. Ask our design engineer for assistance.

3 sizes available:

- Field/bench model, 12V
- 1 TPH model, 220V
- 8 TPH model, 415V

Catalog & spec sheets available.

Gravity Separation

Separates Material to 5 microns

Recover metal values lost by other methods

Simple operation - Adjustable water flow Adjustable bump Adjustable tilt



In business since 1979



Contact: IAN FREELAND
 0429 822 954
 actionmining@bigpond.com
 www.goldwavetable.com