



CONCENTRATING TABLES

- 4 Models to choose.
- Lowest Ownership Cost.
- Smoothest Deck Action.
- Higher Grade Concentrate.



SUPERB PROPERTIES AT LOWER COST

- Higher Recoveries & Concentrate Yield.
- Automatic Dry & Wet Feed Mechanism AFM[®].
- Greater Capacity, More Tunage/Day.
- Highest Quality Antifriction Head Motion.
- Available In Two Different Configurations of Diagonal Deck Design, As Well As Rectangular Deck Design.
- Highest Quality Of Water-Proof Teak Marine Wood For The Deck Construction, Highest Quality Material Fabrication.



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LEADER IN SURFACE MINING TECHNOLOGIES

APPLICATION

DOVE Concentrating Tables are designed for high Capacity, Efficient, and Continuous separation of two or more material of different specific gravities, forming a mechanical mixture, capable of liquid suspension, Within their feed size range.

DOVE heavy duty Concentrating Tables Economically and Efficiently effect separation between free minerals of different specific gravities, whether the feed materials are ores, minerals, crushed slags or other mixtures.

DOVE heavy duty Concentrating Tables are configured & used for a wide variety of applications:

A) DOVE Tables are most widely used in the treatment of Gold, Silver, Tin, Columbium, Tantalum, Titanium, Barium, Tungsten, Iron, Chrome, Manganese, Zircon, Lead, Zinc, Mercury, Copper, Aluminium, Barium and similar ores.

B) DOVE Tables are also used for treatment of Clay, cleaning of Glass sand, Recovery of Mica, concentration of Potash ores, recovery of phosphate rock, Vermiculite, recovery of values from slags, drosses, etc.

DOVE Concentrating Tables offer exceptional efficiency in separation of micron size particles, that the existing Tables in the industry with rough-surfaced covering cannot achieve.



SUPERB PROPERTIES AT LOWER COST

DOVE Concentrating Tables are built with highest quality material and workmanship.

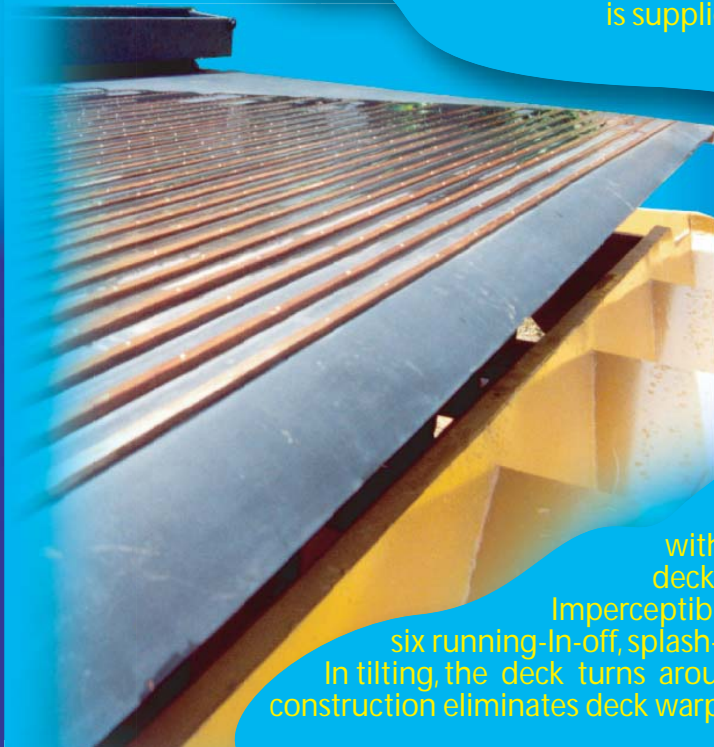
The Table's Deck are built from the finest grade of Marine TEAK-Wood, water proofed for long life and resistance to warpage. The Table cover is supplied with DOVE Ultra-Smooth Rubber Cover, for highest

resistance to abrasion, longer life, low cost and greater recoveries. The Table cover is lined with series of Rubber Riffles, different Riffle patterns for coarse sand feed concentrate and fine sand feed concentrate and slime (-150 mesh) is available.

Absolute smoothness of deck action is imperative for maintaining high recovery with high capacity.

The deck is supported on an extra rigid, heavy, duty, all-steel Sub-Frame, mounted on heavy steel channel main frame and provided with heavy duty rockers. This adequately rigid and strong deck underconstruction guarantees against even the most Imperceptible deck flutter. Deck weight is equally distributed over six running-In-off, splash-proofslide bearings mounted on the rigid Sub-Frame.

In tilting, the deck turns around its centerline, which is also the line of drive. This construction eliminates deck warping so prevaleng in many other table designs.



TOTAL SOLUTION FOR YOUR MINING OPERATIONS



DRY & WET Feed Mechanism:

DOVE Concentrating Tables are unique as they are configured to operate with both Wet & Dry feed. The Tables are supplied with complete portable Automatic feed mechanisms **AFM**[®], for both DRY & WET Feeding. The system also includes; steel feed tanks & filters, Steel Launderers for collection of the discharged material, as well as all required piping and accessories

Automatic Feeding Mechanism: Traditionally a major problem with the existing concentrating Tables in the industry has been the process of feeding by hand.

DOVE Concentrating Tables are equipped with Automatic Feeding Mechanism **AFM**[®], designed for both DRY & WET feed. Utilizing **AFM** will result in:

- Continuous and Un-interrupted feed cycle, resulting in higher recovery.
- Time Saving, Eliminating interruptions in the Feeding Cycle.
- Less operator interference, resulting in \$ saving.
- Higher Feed Capacity.
- Smoother Operation, resulting in higher efficiency.



Anti-Friction Heavy Duty Head Motion: **DOVE** Concentrating Tables are equipped with modern, efficient and extremely rugged HEAD MOTION mechanism. The Head Motion mechanism, with The Anti-Friction Bearings are enclosed in a rugged cast iron housing, Self-Oiling and Splash-Proof. The Head Motion is configured on the Main Frame, driven by a powerful heavy duty 3 HP Motor that allows a smooth startup action, as well as sufficient power (below 3 HP), for smooth and continuous operation over long hours, resulting in a long operating life for the motor.



Greater Feed Capacity, Recovery and Performance: Concentrating Table Feed Capacity varies in accordance to the Feed characteristic, specifically as regards to Ore grain size, range, concentration and its ratio, and operating consideration. Given the specific design and configuration of **DOVE** concentrating tables, they tend to surpass in Recovery, and Performance from any other single deck concentrating table, while maintaining comparable or superior Feed Capacity.

MOST PRACTICAL, EFFICIENT & ECONOMICAL MEANS OF MINERALS RECOVERY

