

VIBRO-SHAKEOUT 12

This unit will provide shake-out of the casting, remove any larger than grain size material, and perform the mechanical reclamation of the sand. The heavy duty grid breaks up the mold to allow for removal of the casting. The lumps of sand abrade against each other until they fall through the grid. Once through the grid the sand is vibrated over a perforated plate and then a self cleaning wedge wire screen. A final easy access screen is mounted at the discharge end of the unit to kick out any larger than grain size metal, ceramics, slag, and any other undesirable material.

The abrasive action of the sand grains against each other also results in the removal of some of the binder. The actual amount of binder removed will vary with the type of binder, the amount of binder added to the sand, the type of metal poured and the sand to metal ratio. The Vibro-Shakeout, using the more gentle method of vibration and screens will mechanically reclaim chemically bonded sand as well, if not better, than any equipment on the market.

The unit can be fed directly from a molding line if desired and can be fitted with either side mounted or overhead dust extraction hoods. Castings can be removed from the top shakeout grid by a manipulator or manually.

Sand through-put is nominally rated at 7 tons/hr of sand when processing from lumps. But, **this can be much higher when processing loose sand and broken down molds.**

Throughput is also dependant upon the following:

- The strength of the binder.
- Percentage of binder addition, sand to metal ratio and AFS grading.
- The average size of the lumps.
- Temperature of the sand. (hot sand will attrite faster)
- The percentage of moisture in the sand prior to processing.
- Any uncured binder, catalyst or hardener in the sand.

Advantages

- Shakeout/mechanical sand reclaimer combo.
- Lump breakdown to grain size in one unit.
- Vibratory screening action.
- Final discharge screen for automatic removal of fine flashings.
- Low level shakeout height (28") to enable loading of molds from roller or conveyor track.
- Screens fixed in unit via angle jacking clamps.

TECHNICAL DATA.

- Deck Length - 81"
- Deck Width - 80"
- Deck Load – 6,800 lb. Number of Springs - 10
- Motors 8.5 h.p. x 2
- Weight – 11,500 lbs.

Price...**includes wear guarding kit** (installed)

Price does not include any electrical control panel to operate this unit. These are usually quoted with the requirement of the whole system. We would be happy to quote to your requirements. Please advise.