

28 CUBIC FEET SUPER TUMBLAST



Shot Blasting

Shot Peening

Dust Collectors

FEATURES

HIGH CAPACITY TYPE RLM WHEEL: With smooth conical inlet type impeller.

CONVEYOR FLIGHTS: Close fitting and reinforced.

CONVEYOR LINKS: One-piece, case hardened and stress relieved steel castings.

TRACTION WHEELS AND SPROCKETS: Fabricated from steel plate and flame-hardened.

BARREL HEADS: Adjustable to keep mill tight; protected with premium wear plates.

DOOR: Lined with premium wear plates, travels in completely interlocking labyrinth seal.

LOWER CLOSING PLATE: A door preventing small or lightweight pieces from falling over the front of the conveyor into the Tumbblast hopper is also provided.

ELEVATOR: Designed for years of trouble-free operation.

SEPARATOR: Compensating abrasive flow provides high-efficiency separation with minimum of service or adjustments.

ELECTRICALS: Control panel contains premium quality components with safety and overload protection. Machine is completely wired.

INSPECTION: All machine components readily accessible.

WHEELABRATOR BLAST UNIT:

TYPE: RLM-19'- $\frac{1}{2}$ " diameter X 2- $\frac{1}{2}$ " wide.

IMPELLER: Patented high capacity conical type.

CONTROL CAGE: New Clockdial type for simple and effective adjustment of the blast pattern.

BLADES: Special Long - Lyfe* alloy, held in place with strainfree spring clips to provide fast & easy replacement. Blades are firmly positioned between the two hardened steel side plates.

FLOW RATE: 868 pounds per minute (52,000 pounds per hour approx)

WHEEL HOUSING - Completely protected with inter-locking labyrinth type seal, Long - Lyfe* liners. The impeller, control cage, feed spout and feed funnel are also cast Long - Lyfe* .

MILL CONSTRUCTION: 14.1 cu. Ft. Actual load capacity.

BARREL HEADS: Fully protected with 1" thick LONG-LIFE* liners. Barrel heads are adjustable to insure a tight mill after years of use.

FLIGHTS: Steel 60" X 6" X 1" with 2 $\frac{1}{2}$ " X 2" reinforcing member having standard drain holes of 3/8" dia.

LINKS: One piece case hardened and stress relieved cast steel.

PINS: Hardened steel, 1'- $\frac{1}{4}$ " diameter, large rectangular head for positive lock in link to prevent turning.

SPROCKETS AND TRACTION WHEELS: Fabricated steel with wear surfaces uniformly flame hardened. Hub section remains tough and ductile for shock resistance. Split construction allows easy replacement.

CONVEYOR ARTICULATION: Patented strain-free "in-line" design to give years of maintenance-free service. The radius of the path of the flight bars is the same as the radius of articulation of the links.

CONVEYOR SPEED - 10 fpm (approximate).

FRONT SEALS: Cast Steel, independently adjustable to maintain positive seal and prevent jamming of work.

CABINET: Fabricated of $\frac{1}{2}$ " plate rigidly reinforced with structural members.

ROOF LINERS: Cast liners

LOADING DOOR: Reinforced steel, lined with SLL*, travels in straight completely interlocking labyrinth seal. Door is approximately 12" wider than the mill and is independent of barrel head seals.

LOWER CLOSING PLATE: Heavy construction, $\frac{1}{2}$ " plate air operated, positive tracking linkage located outside of machine.

REAR ACCESS CLEAN-OUT DOOR: Provides 13" X 64" opening below mill for easy, safe cleaning of screens over abrasive screw.

ABRASIVE RECYCLING SYSTEM:

HOPPER: A full gravity hopper beneath the mill allows abrasive to gravitate to a helicoid screw. The screw is protected by a suitable perforated screen plate.

ELEVATOR: Belt and bucket elevator delivers abrasive to an overhead screw leading to High efficiency compensating flow type with 40" separating lip equipped with rotary screen. Drive is shaft mounted speed reducer to provide trouble-free positive drive. Suitable bearings, sealed-for-life, are used on both the head and boot shafts.

ELEVATOR HEIGHT: 19'-1"

ABRASIVE: Initial charge - 4000 lbs.

ABRASIVE CONTROL: Only a few CFM of air at 80 p.s.i. is required to operate the air operated Soundabrator valve.

ELECTRICAL

CONTROL PANEL: Special control panel completely wired, includes magnetic starters with thermal overload and fuse protection for all motors, and panel mounted disconnect switch.

WIRING - Machine is completely wired.

SAFETY AND OVERLOAD PROTECTION:

Control circuits - 230 volts.

- Loader cannot operate unless door is open.
- Wheel cannot operate unless door is closed.
- Abrasive cannot be turned on unless wheel is running and the elevator is on.
- Door is cannot open until wheel comes to complete stop.
- Simple positive micro-switch stops mill and turns off wheel and abrasive in the event of a jam.

MOTORS:

TOTAL HORSEPOWER REQUIRED: 57 hp. consists of Wheelabrator, Elevator motor, Mill motor, Door motor, Loader motor and screw conveyor

ALL MOTORS ARE TOTALLY ENCLOSED, 1500 RPM BALL BEARING TYPE.

MACHINE OPTIONS:

- TOTAL BOX LOADERS
- COMPLETE CONTROLS FOR AUTOMATION SHAKER
- CONVEYOR FOR UNLOADING

SHIPPING WEIGHTS (Approx.)

With loader	31,000 lbs.
Loader	6,500 lbs.
Heaviest single piece	25,400 lbs.

SHIPPING SIZES (Approx.) Largest piece (usual) 13' x 9' x 11'

DUST COLLECTOR: We recommend to install a Dust Collector having 4000 C. F. M. Capacity.

FLOOR SPACE REQUIRED:

With loader	11'-10" X 18'-11"
Without loader	11'-10" X 8'-8"