

48"

SWING TABLE



WHEELABRATOR® WHEEL

Type - Radialok® "RLM" wheel. 15" diameter X 2-½" wide.

Impeller: Patented high - capacity conical-inlet type, cast of Long-Lyfe® premium alloy.

Control Cage: Cast Long-Lyfe® alloy with clock dial type control for positive, accurate adjustment of blast pattern.

Blades: Patented curved design, cast of Long -Life alloy, held securely in place between two hardened 15" dia steel side plates by radial lock retention system.

Noise Reduction: Sound isolation mountings and pneumatically operated SoundAbator® "TE" abrasive control valve.

Wheel Housing: Steel housing. Fully protected by Long-Lyfe liners.

Cabinet Construction

Cabinet: Fabricated of steel plate with structural reinforcing where necessary.

Cabinet Liners: 1" thick steel liners are provided in line with blast. Trash box located on down blast side of wheel to protect cabinet from wear.

Cabinet Floor: Perforated plate flooring protects abrasive screw conveyor from tramp metal. Provides safe, easy, access to cabinet interior for inspection and maintenance.

Door: Sealed against abrasive leakage with rubber type seals, lined with 6mm thick rubber for protection from rebounding abrasive, supported from a sturdy spindle mounted in anti-friction bearings. A three - point cam locking device is actuated by the door handle ensures a tight -fitting, and easy opening door.

Dimensions:

A. Depth (Left or right door open 120 degree)	11'-11"
B. Width (Left door open 180 degree)	16'-2"
C. Width (Right door open 180 degree)	14'-9"
D. Width (Door closed)	10'-1"
E. Work Loading Height	3'-4 1/4"
F. Depth (Door closed)	6'-0"
G. Height	15'-0"

WORK TABLE

Table: 48" diameter. Fabricated from 5/8" thick steel plate, with 3/8" thick abrasive - resistant rubber table top, both perforated with 7/8" dia. drain holes. An outer steel rim bolted to the table top holds the work upon the table supported by a 2- 3/8" dia steel shaft mounted in heavy duty bearings. Entire work load weight is transferred, through a heavy welded support assembly of channels and plate to the foundation.

Drive: Consist of motor, gear reducer and belt. Motor and reducer mounted on the outside of the door and out of blast zone. Freewheeling table can be power operated while outside the cabinet, to facilitate inspection, loading and unloading. Tables are freewheeling and can be rotated by hand. All parts of the drive are completely protected from abrasive wear by guards and housings.

Load Capacity: 1500 lbs. (allows an ample safety factor)

Work Loading Height: 40- 1/4"

Maximum Work Dimensions: 48"

ABRASIVE RECYCLING SYSTEM

Abrasive Screw Conveyor: 6" helicoid screw conveyor in trough moves abrasive to the boot section of the elevator. Driven through chain and sprocket transmission from the boot shaft of the abrasive elevator

Elevator: Belt and bucket elevator, centrifugal discharge type, enclosed in a dust tight steel housing. Bearings, sealed for life, are used on both the head & boot shafts, driven by electric motor with provision for belt tensioning adjustment.

Abrasive Separator: High efficiency CFS (compensating flow) gravity type with 18" separating lip. When properly adjusted, the CFS Separator retains all usable abrasive particles and discharges all sand, fines and other contaminants.

Abrasive Trap: Prevents small abrasive from being carried into dust collector.

Abrasive: Initial charge 1000 lbs.

ELECTRICAL

Control panel: completely wired with necessary components in IP55 enclosure, push button operator's station, ammeter for Wheelabrator unit, hour meter and emergency stop button.

Motors: Total horsepower required - 16- 1/2 hp. All motors are totally enclosed 1500 RPM ball bearing type.

- Blast cleaning wheel- High torque motors with V - belt drive
- Elevator - Motor with V-belt driven
- Table - Motor, gear reducer and V - belt driven.

Safety Features

Guards: All drives are protected with totally enclosed guards.

Cabinet Door: Limit switch on door allows Wheelabrator unit to operate only when door is closed and locked. Air cylinder pin lock prevents door opening when Wheelabrator unit is running. .

Wheelabrator Unit: Wheelabrator is braked to a stop by abrasive throw before door can be opened.

Machine Options

- Timed abrasive controls
- Second door and table assembly
- 3/8" mild steel or SLL (11-14% Austenetic Manganese Steel) or ½" dia Long - Lyfe cabinet liners, roof, side and end wall.
- Time signal clock
- Wiring of swing table
- Shot adding unit
- Variable speed wheel drive

Shipping Weight Total - 9400 lbs. approx

Shipping Size: Largest piece (as normally shipped) 6'-0" x 9'-5" x 7'-6" high

Ventilation Requirements: 1300 to 1700 CFM