

96" SWING TABLE



Shot Blasting

Shot Peening

Dust Collectors

SPECIFICATIONS

52" work height clearance

Accommodates work up to 96" diameter or diagonal
10,000 lbs load capacity.

Replaces air blast room

Versatile general purpose machine

WHEELABRATOR® WHEEL

Type: Two wheels 19-½" diameter X 2-½" wide

Impeller: Patented high capacity conical inlet type.

Control Cage: Clockdial type for adjusting blast pattern.

Blades: Special alloy held in place with strain free spring clips to provide fast and easy replacement. Blades are firmly positioned between two hardened steel side plates.

Flow Rate: 475 lbs./min. (28500 lbs/hour).

Wheel housing: Completely protected with inter locking labyrinth type seal.

Cabinet Construction

Cabinet: Fabricated of steel plate with structural reinforcing where necessary. Pit-less type.

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: Heavy duty bar grating. Perforated abrasive screw conveyor from tramp metal. Provides safe, easy, access to cabinet interior for inspection and maintenance.

WORK TABLE

Table: 96" diameter. Fabricated from 5/8" thick steel plate and lined with 3/8" thick rubber. Table supported by a 3 - ½" diameter steel shaft mounted in heavy duty bearings. Entire work load weight is transferred through a heavy welded table support assembly of 7" channels and ¾" thick steel plates to the foundation.

Door: Sealed against abrasive leakage with rubber type seals, lined with ¼" 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.

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: 10000 lbs. (allows an ample safety factor)

Work Loading Height: 42"

Maximum Work Dimensions: 96"

ABRASIVE RECYCLING SYSTEM

Abrasive Screw Conveyor: Two 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 4000 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 - 53hp. 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
- Left or right hand door available.
- Second door and table assembly
- Air blast touch-up complete
- 42" wide, 40" high vestibules
- Exterior work conveyor used with vestibules
- Wiring of swing table
- ¼" mild steel cabinet liners
- Safety guard elevator drive
- Ladders
- Time signal clock

Shipping Weight Total: 39000 lbs. approx

Shipping Size: Largest piece (as normally shipped) 14'-5" X 10'-0" x 10'-6" high

Ventilation Requirements: 1300 to 1700 CFM

Floor Space Required:

Width	15"-11"
Width (door open 180°)	25"-4"
Depth	11"-8"
Clearance for opening door	11"-5' ½"

DUST COLLECTOR: We recommend to install a Dust Collector having 4500 C. F. M. Capacity.