

Rod Blaster SR - 25



DISA



FEATURES

Variable Speed Skew-Type

Conveyor System

18" Lip Separator

**Average Operating Speed
of 40 Ft. Per Minute**

Abrasive Resistant Steel Cabinet

Cabinet Access Door

25 H.P. Centrifugal Blast Wheel

**Cleans ½" to 2" O.D. Round
Material**

**Interchangeable Vestibules
Accommodate Various Rod
And Pipe Diameters.**

SPECIFICATIONS - Rod Blaster SR - 25

EQUIPMENT DIMENSIONS

	SR - 25
Height	12'1"
Length	5'4"
Width	8'11"

AIRLESS BLAST UNIT

Wheel - The direct drive blast wheel revolves 3600 RPM for maximum abrasive velocity. 12" diameter wheel with 7 curved blasts 3" wide is standard. All wheel components are balanced to assure smooth operation.

Wheel Housing - Fabricated from 1/4" steel plate. Housing is lined with 7/8" cast interlocking abrasive resistant liners.

Blades - Unique interlock design eases blade replacement. Cast from abrasive alloy to insure maximum life. Curved blade design provides maximum abrasive control.

Control Cage - Dial type cage gives positive adjustments of blast pattern. Cast alloy steel construction.

CABINET CONSTRUCTION

Cabinet - Pitless type cabinet fabricated from 1/2" heat treated alloy steel plates for abrasive wear resistance. In addition, abrasive entrapment is used to cushion abrasive impact.

Access Door - A large access door has been provided to service the interior of the cabinet. A safety interlock prevents the operation of the blast wheel if the door is ajar.



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The door is constructed from abrasive resistant alloy steel.

WORK CONVEYOR

Work Travel Control - Work to be blasted is conveyed and rotated by a skew toll conveyor. Work flow rate through the machine is controlled by a knob on the SCR drive control unit.

Conveyor - Ten feet of skew roll conveyor complete with drive components and supporting structure feed the material into the blast cabinet. Ten feet of discharge conveyor is also included. The rollers are mounted on one inch solid shafts positioned in lubricated for life pillow block bearings.

Skew Rolls - Made from hear treated alloy steel for abrasive resistance.

Conveyor Drive - A common SCR drive control system powers the external and internal roller conveyor. Each roller is powered by a round urethane belt providing a high coefficient of friction to drive rollers. The direct drive system in the blast zone is protected from blast by 1/4" heat treated alloy steel plate. Regulation chain guards are provided.

Abrasive Seal - Removable an interchangeable vestibules on ingress and egress provide a positive deterrent to flying abrasive. The design utilizes a triple seal arrangement of 1/8" resistant rubber.

ABRASIVE RECYCLING SYSTEM

Screw Conveyor - Moves the abrasive from the bottom of the machine to the elevator using a heavy duty 9"

O.D. Screw flight supported by a 2" shaft. Powered by a 1 HP, 1800 RPM, gear reduced chain and sprocket drive system.

Elevator - Centrifugal discharge belt and bucket elevator using a 5", 2 - ply heavy duty rubber belt and abrasive resistant polyethylene buckets. A quick clamped removable door permits service and inspection. All shaft bearings are exterior

mounted for extended life. Screw adjusted shaft take - ups provide positive belt alignment. Powered by a 1 HP, 1800 RPM motor and reducer. An abrasive addition chute is located on the elevator to add abrasive during operation.

Separator - Easy inspection air wash separator with an 18" lip provides thorough air washing of the abrasive for maximum contaminate removal.

Abrasive Required - 3000 pounds

Abrasive Control - Fully adjustable butterfly valve provides precise flow control of abrasive. Totally enclosed design means maximum noise suppression.

ELECTRICAL COMPONENTS

Nema type 12 electrical enclosure, fusible disconnect switch, thermal overload protection on all electric motors, 230/460 volt primary, 115 volt secondary control transformer, blast wheel motor ammeter, oil tight push buttons. SCR control, Nema 12 enclosure, 115 volt, 15A.

ELECTRIC MOTORS

All motors T.E.F.C., ball bearings, 230/460 volt, 3 phase.

Blast wheel.....25 HP/3600RPM

Screw Conveyor.....1 HP/1800RPM

Elevator.....1 HP/1800RPM

Dust Collector.....5HP/3600RPM

Skew Roll

Drive.....3/4 HP/0 - 2400RPM D/C

VENTILATION FEATURES

1400 CFM Dust Collector is fully contained and is an optional feature. Collector contains 36 4 1/2" diameter by 50" long polyester bags which are cleaned automatically by an air pulse unit (requires 80 to 110 PSI of air at 2 CFM). Free standing collector will accommodate a 55 gallon refuse drum.

SHIPPING WEIGHT

6000 Lbs.

Specifications Subject to Change Without Notice