

12 Cube Barrel Blast



DISA

GOFF

Features

Rotary Scalping Drum

Rubber Mill Belt & Support Belt

Dual 20" Inch Separator

Cast Alloy Barrelheads

Eye-Level Separator Adjustments

1600 Lb. Load

20 HP Direct Drive Blast Wheel

Safety Interlocks

Machine Warranty

SPECIFICATIONS—12BB

EQUIPMENT DIMENSIONS AIRLESS BLAST UNIT

Machine	12BB
Length	7'
Width	10'7"
Height	15'3"
Weight	10,000

WHEELS—The blast wheels are directly driven by a 3600 RPM motor for maximum abrasive velocity. The blast wheels are DISA Goff's 12" diameter wheel with 7 curved blades that are 3" wide. Blast wheels can be operated separately or in conjunction. All revolving wheel components are balanced for smooth operation.

BLADES—Unique interlocking design eases blade replacement. Cast from abrasive resistant alloy to assure maximum life. Curved blade design provides for maximum abrasive control.

CONTROL CAGE—The dial type cage gives positive adjustment of blast patterns. Cast alloy steel constructed.

WHEEL HOUSING—Fabricated from 1/4" steel plate. Housing is lined with cast interlocking abrasive resistant liners.

MILL CONSTRUCTION

RUBBER TUMBLE BELT—Continuous molded rubber tumble belt has 4 ply construction with 5/16" abrasive drain holes. Raised rubber tumbling ridges are molded directly to belt.

RUBBER SUPPORT BELT—Continuous molded rubber support belt has 4 ply construction with 3/8" drain holes. Belt provides direct support to the tumble belt for large or heavy capacity loading.

CONVEYOR ROLLERS— Heavy duty

rollers have solid 2-3/16" shafts and are mounted to 1/2" steel cabinet side plates with standard 4 bolt flange bearings.

LINERS—42" diameter barrelheads are 5/8" abrasive resistant cast alloy with hardened countersunk retainer bolts for a smooth interior finish. Tight sealing 3/8" alloy steel cabinet liners are standard. Liner position and size were designed for ease of maintenance, replacement and access during belt adjustment or removal.

CAPACITY— 12 Cu. Feet, 1600 pounds nominal.

BARREL SIZE— 38" Wide x 42" diameter.

CONVEYOR SPEED— 12 feet per minute.

DRIVE CLUTCH— Damage to the tumble belt and liners, due to internal jamming of parts, is prevented by a torque limiting clutch. A zero speed monitor provides automatic machine shutdown.

CABINET CONSTRUCTION

CABINET—Pitless type, all welded structurally reinforced cabinet is fabricated from 1/2" steel plate. Large access doors at rear of cabinet permit periodic inspection and maintenance.

POWER DOOR—Electronically controlled with finger tip action. Pneumatically operated air cylinder provides opening/closing action of power door for full access to blast chamber. Interlocking door seal prevents abrasive escape. Abrasive resistant liners protect steel door and cabinet top from abrasive rebound. Inner work kick plate baffle keeps parts on conveyor belt, prevents wedging between door and belt.

ABRASIVE RECYCLING SYSTEM

SCREW CONVEYORS—Heavy duty 6" screws with solid shafting are chain and sprocket driven and protected by torque limiting clutch.

ELEVATOR—Centrifugal discharge belt and bucket elevator is rigid and dust tight. Quick clamped removable doors permit service and inspection. All shaft bearings are exterior mounted for extended life. Screw adjusted shaft take-ups provide positive belt alignment.

SEPARATOR—Single 20" lip separator provides thorough air washing of abrasive for maximum contaminate removal.

ABRASIVE SCREENING—Primary screen in cabinet protects screw conveyor and elevator from large objects. A perforated rotary screen between elevator and separator automatically removes foreign objects from abrasive.

ABRASIVE HOPPER—2000 pounds.

ABRASIVE CONTROL— Fully adjustable butterfly valve provides precise flow control of abrasive. Totally enclosed design means maximum noise suppression.

VENTILATION FEATURES

DUST COLLECTOR (optional): FMC200-2A-5 2,000 CFM dust collector is fully self contained and is optional. Collector contains 8 cartridges which are cleaned automatically by a reverse pulse system. Requires 90-100 PSI of air at 7.5 SCFM. Free standing collector will accommodate 55 gallon refuse drum.

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, 15 minute abrasive cycle timer. Timer controls both abrasive flow and blast wheel motor. Mill reverse for unloading conveyor. Mill lockout for blast pattern test. Cycle alarm signal and hour meter standard.

SAFETY FEATURES

Blast wheel operational only when both rear doors and front power door are closed and secure. Power door is locked closed during blast cycle. After blast wheel shutdown, adjustable time delay allows flow of abrasive to brake blast wheel to a stop before door can be opened. Door safety latch prevents power door from closing unless latch is manually released by operator. Automatic power shutdown if internal jamming occurs.

Specifications subject to change without notice



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