24 Cube Barrel Blast

GOFF®

"Blasting Solutions"

FEATURES

Rotary Scalping Drum
Dual Elevator System
Eye-Level Separator Adjustments
2 - 15 HP Blast Wheels
Rubber Mill Belt
Cast Alloy Barrelheads
3000 Lb. Load
Hydraulic Door & Mill Operation

SPECIFICATIONS—24BB

EQUIPMENT DIMENSIONS

Machine	24BBD	DFO 2-4
Length	8’7’	5’2”
Width	5’2”	3’9”
Height	17’10”	13’
Weight	18,500	1,350

AIRLESS BLAST WHEELS

WHEELS—The direct drive blast wheels are C-faced mounted and revolves at 3600 RPM for maximum abrasive velocity. The blast wheel is available in 12”, 13.5” and 15” diameters. Balanced wheel components assure smooth operation.

BLADES: Cast from abrasive resistant alloy to insure maximum life. The unique blade design allows for easy blade replacement.

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 shafts and are mounted to 3/4” steel cabinet side plates with 4 bolt flange bearings.

LINERS— 48” diameter barrelheads are abrasive resistant cast alloy with hardened countersunk retainer bolts for a smooth interior finish. Tight sealing 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— 24 Cu. Feet, 3000 pounds nominal.

BARREL SIZE— 58” Wide x 48” diameter.

MILL BELT JAM PROTECTION: Damage to the tumble belt and liners, due to internal jamming of parts, is reduced by an electronic jam monitor. This device monitors current spikes that occur due to part jamming and shuts down the motor when spikes occur. The monitor is load size adjustable by customer.

CABINET CONSTRUCTION

CABINET—Pitless type, all welded structurally reinforced cabinet is fabricated from 3/4” steel plate. Large access doors at rear of cabinet permit periodic inspection and maintenance.

POWER DOOR—Hydraulically operated 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 and prevents wedging between door and belt.

ABRASIVE RECYCLING SYSTEM

SCREW CONVEYORS—Heavy duty 9” 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—Floor level separator unit eliminates platforms and ladders. Double 30” lip separator can be monitored at eye level. Dual separation 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 debris from abrasive.

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

INITIAL ABRASIVE CHARGE

4,000 lbs.

VENTILATION FEATURES

3,500 CFM minimum.

NOISE LEVEL— Approximately 90 DB.

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 wheels 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 delay timer 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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