

2024 “D” Spinner Hanger



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Features

(3) Cast Lined Blast Chambers
Continuous Production Carousel Design
(2) 10 HP Direct Drive Blast Wheels
Double 20 Inch Air Wash Lip Separator
Pitless Design

Rotary Scalping Drum
Multiple Indexing
Safety Interlocks
500 Lb. Hook Capacity

SPECIFICATIONS—2024D

EQUIPMENT DIMENSIONS

	2024D	FMC
Width	7'8"	2'2"
Height	13'10"	15'0"
Length	9'10"	3'9"
Weight	7,000 lbs.	1,000 lbs.

TWO AIRLESS BLAST UNITS

WHEEL: The direct drive blast wheel revolves at 3600 RPM for maximum abrasive velocity. 12" diameter wheel with 7 curved blades 3" wide is standard. Balanced wheel components assure smooth operation.

BLADES: Unique snap lock design eases blade replacement. Cast from abrasive resistant alloy to insure maximum life. Curved blade design provides maximum abrasive control.

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

CONTROL CAGE: Dial type enclosed cage gives positive adjustment of blast pattern. Cast alloy steel construction.

CABINET CONSTRUCTION

CABINET: Pitless type, all welded structurally reinforced cabinet fabricated from 1/4" mild and 3/8" abrasive resistant steel plate. Swing away Blast Wheels provide access for periodic inspection and maintenance of blast wheel.

BLAST CHAMBER CONSTRUCTION

TRIPLE CHAMBER: Fully welded chamber is fabricated from 1/2" abrasive resistant steel plate. Chamber revolves on a solid 2" spindle shaft supported by a heavy duty thrust bearing. Hook spindles are provided on each chamber.

LINING: Each blast chamber is lined with cast alloy replaceable liners. Top and bottom of each chamber lined with abrasive resistant steel.

SEALS: Dual heavy-duty rubber seals on chamber sides and top. Abrasive accumulation on chamber bottom provides positive sealing of blast chamber during operation. Unique seal design reduces any abrasive leakage.

CHAMBER SPEED: 3 RPM nominal.

DRIVE: New to be supplied.



DISA Goff, Inc.
One Pleasant Grove Road
PO Box 1607
Seminole, Oklahoma 74818-1607
USA

Tel 405-382-6900
Tel 800-654-4633
Fax 405-382-7013
disagoff@disagoff.com
www.disagoff.com



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HOOK SPINDLE: Continual rotation of hook spindle, 15 RPM., Capacity 500 pounds maximum.

CAPACITY: Maximum area provided for material to be blasted is 20" diameter x 24" long.

ABRASIVE RECYCLING SYSTEM

SCREW CONVEYORS: Moves the abrasive from the bottom of the machine to the elevator using a heavy duty 6" OD screw flight supported by a 1-7/16" shaft.

ELEVATOR: Centrifugal discharge belt and bucket elevator using 5", 2 ply heavy duty rubber belt and abrasive resistant polyethylene buckets. Quick clamped removable door permits service and inspection. All shaft bearings are exterior mounted for extended life. Screw adjusted take-up provides positive belt adjustment.

SCREENING: Primary screen in cabinet protects screw conveyor and elevator from large objects. A secondary screen in storage hopper provides positive blast wheel protection. A perforated rotary screen between elevator and separator automatically removes small foreign objects from abrasive. A recycling system keeps abrasive flowing through the screens at all times for better cleaning

ABRASIVE REQUIRED: 1,800 pounds.

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

SEPARATOR: Floor level separator unit eliminates platforms and ladders. Double 20" lip separator. Dual separation provides thorough air washing of abrasive for maximum contaminate removal.

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.

ELECTRICS

NEMA type 12 electrical enclosure, fusible disconnect switch, thermal overload protection on all motors, 230/460 volt primary, 115 secondary control transformer, blast wheel ammeters, oil tight push buttons, hour meter, automatic reset abrasive cycle timer. Chamber lockout and independent blast wheel operation for precise blast pattern test.

Full Load Amperes (excludes dust collector):
230V/3Ph/60Hz-64 Amps, 460V/3Ph/60Hz - 32 Amps.

SAFETY FEATURES

Double positive contact chamber seals prevent stray abrasive. Emergency stop button provided on control panel. Reversing pressure safety switch at chamber opening. Hold down button for chamber rotation.

NOISE LEVEL: Approx. 85 DB.

Specifications subject to change without notice.

AVAILABLE OPTIONS to optimize the machine to your specific requirements and applications.