



Clarke's[®]

DOFFING ROLL BINS

FOR FLAKES, WAFERS,
STRANDS & FIBER

A PROVEN SOLUTION TO STORAGE AND

Clarke's Doffing Roll Bins are designed to provide a controlled, uniform material discharge resulting in better material drying and reduced resin costs.

Doffing Roll Bins are available in punched plate and spacer or special channel pick roll construction.

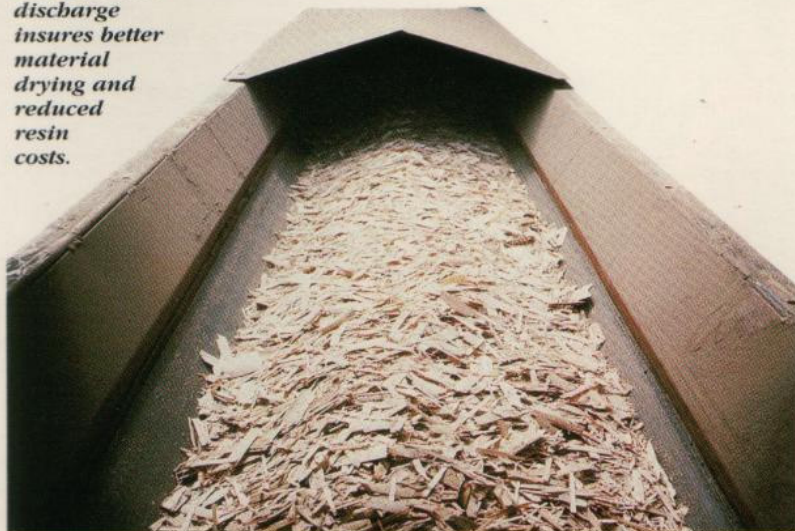
Our field proven bins feature the same design simplicity, reliability, superior rugged construction, and money saving features that have made Clarke's a leader in the bulk material handling field for over 35 years.

Bins are shipped in the largest possible pieces to your site for fast, easy assembly. Clarke's also provides systems for conveying to and from the bin.

CAPACITIES

Clarke's standard doffing roll bins are available with storage capacity of 15, 20, 25 and 50 units. Other sizes are available to meet your specific requirements. An overhead conveyor or rakeback system utilizes full bin capacity.

Even metered discharge insures better material drying and reduced resin costs.



Clarke's doffing roll bins provide accurate metered discharge of flakes, wafers, strands, and fiber.

FIRST IN, FIRST OUT MATERIAL HANDLING

The full width live bottom insures first in, first out metered discharge of the material through the doffing rolls. The movement of the live bottom, (drag link chain or belt over chain with slats), moves the entire pile of material into the rolls at a controlled rate.

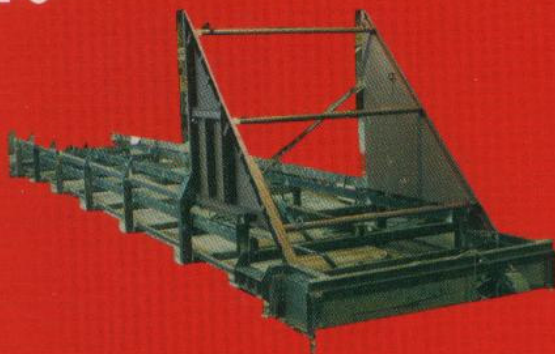
Regulation of the rate of speed, (AC variable frequency or DC SCR drive), provides a four to one turn down in controlled metered flow.



Overhead rakeback system utilizes full bin capacity.

BINS ARE MANUFACTURED TO EXACT SPECIFICATIONS

1.



2.



3.



METERED DISCHARGE OF FLAKES, WAFERS,

DOFFING ROLLS PROVIDE UNIFORM MATERIAL FLOW

As the wood particles are pulled forward into the rotating rolls, the specially designed pickers or doffers fluff the material back to its pre-stored density. This provides a uniform, even density material discharge to the pneumatic or mechanical conveying system.

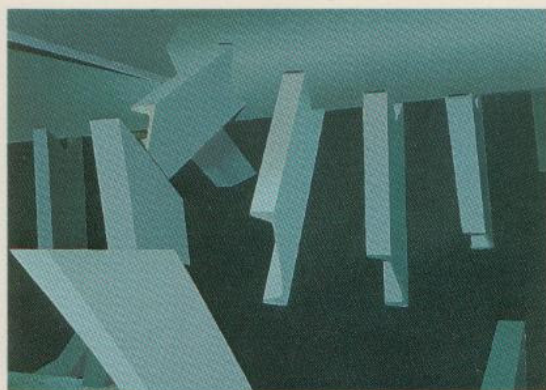
The results of even controlled discharge are obvious. Your bottom line profits reflect money saved on resin and lower raw material costs because of less rejected material due to improper drying.



Full width live bottom chain or belt insures first in, first out discharge of the fiber.



Punched plate and spacer doffing roll assembly.



Special channel picker roll assembly.



Bins are shipped to your site in the largest possible pieces for fast, easy assembly.

4.



5.



STRANDS AND FIBER

LOW MAINTENANCE DOFFING ROLL DRIVE SYSTEM

Clarke's timing belt drive system features efficient, strong belts that run quiet and are easy to maintain. They don't require the necessary maintenance and lubrication as do chain drive systems. The doffing rolls, or picker rolls are powered by a constant speed drive.

OPTIONAL REAR DOOR

An air cylinder or manually operated hinged rear door provides for fast removal of contaminated material or easy access in case of fire. The bin bottom is reversible and can be operated independently of the doffing rolls or distribution systems, permitting emergency discharge with minimum downtime.

CUSTOM ENGINEERING

Because no two applications of our bins are exactly the same, our engineers will "custom tailor" your bin to best meet your specific requirements.

All bins are designed to comply with OSHA requirements. Optional relief panels in the bin top minimizes the dangers from explosion.

Missing flight indication on the rakeback conveyor automatically shuts down equipment in case of a broken flight or mis-alignment. Pre-plumbed sprinklers for dry material bins are also available.

A zero speed indication on the doffing or picker roll system is standard with all bins.

CLARKE'S QUALITY

Our promise to you is simple. We'll deliver the best engineered, best built, most efficient equipment for your needs at the best possible price.

Please call today for more information or let us arrange a demonstration.



Hinged rear door provides for fast removal of contaminated material or easy access in case of fire.



The full width live bottom insures first in first out metered discharge of the material through the doffing rolls.

6.

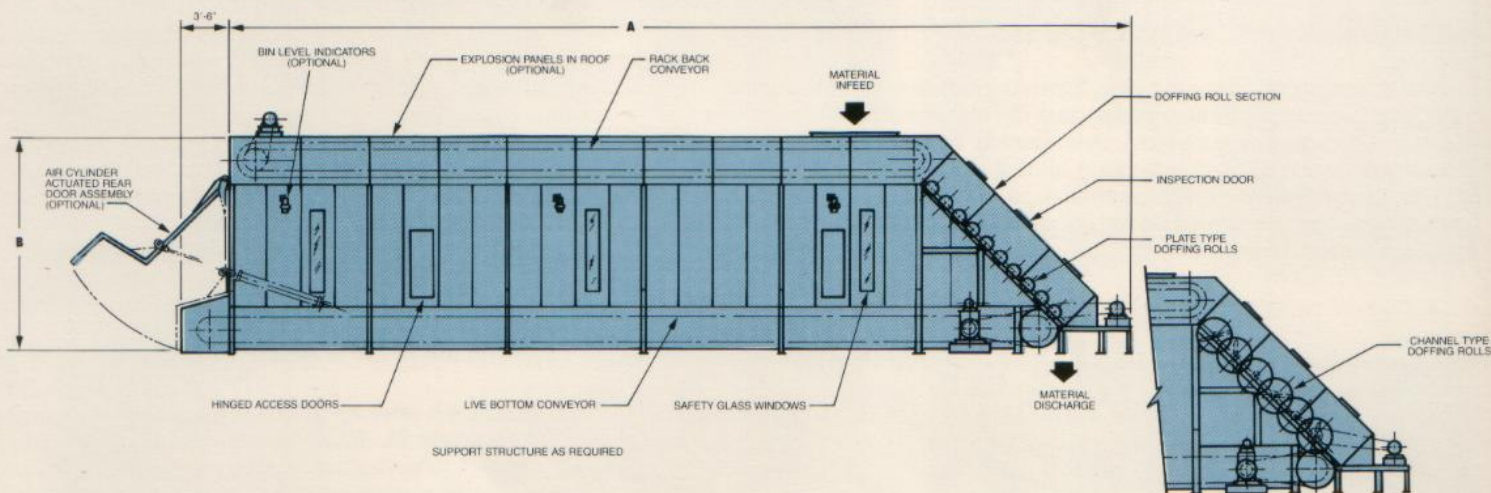


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SPECIFICATIONS

WAFER, FLAKE AND STRAND BINS

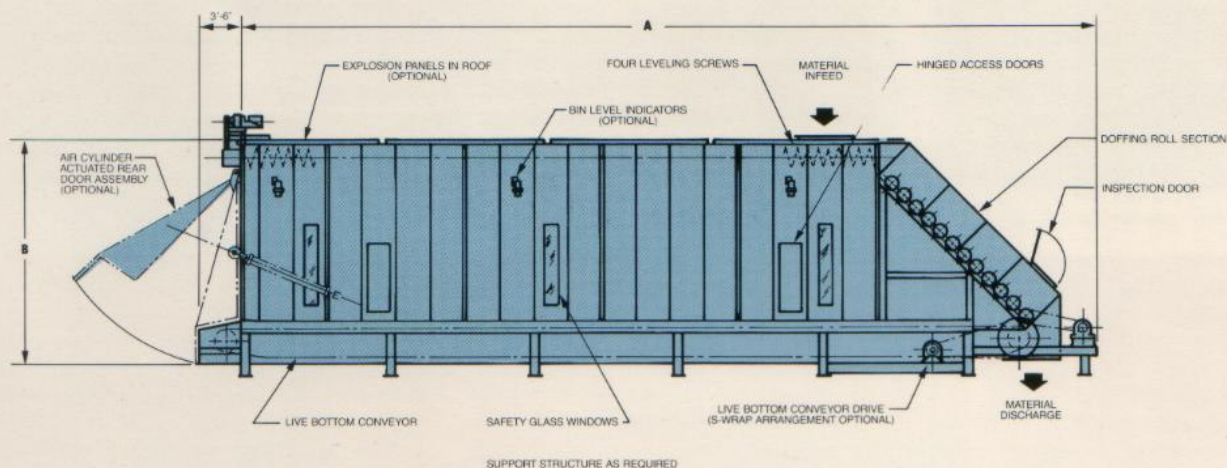


BIN SIZE		DIMENSIONS			NUMBER OF DOFFING ROLLS		DRIVE HORSEPOWER		
UNITS	CU. FT.	WIDTH	A	B	PLATE TYPE	CHANNEL TYPE	RAKE BACK	LIVE BOTTOM	DOFFING ROLLS
15	3,000	11'-6"	45'-6"	15'-9"	10	6	5 hp	1-1/2 hp	10 hp
20	4,000	11'-6"	55'-6"	15'-9"	10	6	7-1/2 hp	1-1/2 hp	10 hp
25	5,000	11'-6"	65'-6"	15'-9"	10	6	7-1/2 hp	2 hp	10 hp
50	10,000	11'-6"	83'-6"	17'-9"	12	7	10 hp	5 hp	10 hp

NOTE 1 DIMENSIONS ARE NOMINAL, CONSULT FACTORY FOR CERTIFIED PRINT.

NOTE 2 MANY OTHER STANDARD SIZES ARE AVAILABLE.

FIBER BINS

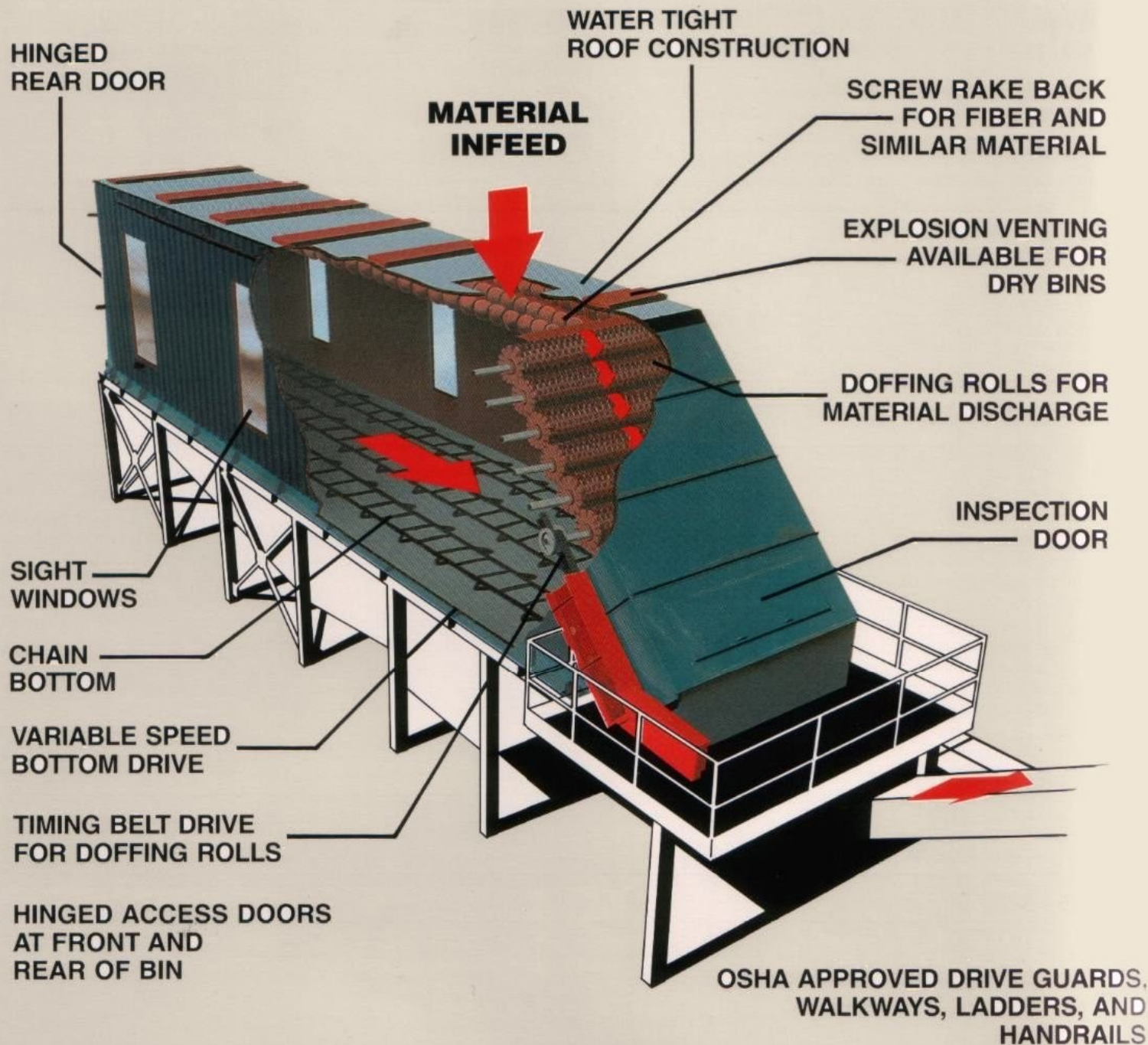


BIN SIZE		DIMENSIONS			NUMBER OF DOFFING ROLLS	DRIVE HORSEPOWER		
UNITS	CU. FT.	WIDTH	A	B		LEVELING SCREWS	LIVE BOTTOM	DOFFING ROLLS
10	2,000	12'-6"	44'-0"	13'-6"	10	5 hp	1 hp	7-1/2 hp
15	3,000	12'-6"	50'-0"	13'-6"	10	7-1/2 hp	1 hp	10 hp
20	4,000	12'-6"	65'-0"	13'-6"	10	7-1/2 hp	1-1/2 hp	10 hp
25	5,000	12'-6"	62'-0"	17'-0"	12	10 hp	1-1/2 hp	10 hp

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FEATURES & BENEFITS



Clarke's® Sheet Metal, Inc.

660 Conger Street • P.O. Box 2428
Eugene, Oregon USA 97402-0139
541-343-3395 • FAX 541-345-1447

www.clarkes-ind.com
email: quality@clarkes-ind.com