

Moline Side Load Duster



For automatic and continuous application of dry ingredients such as flour or cornmeal.

The Moline side load duster is designed to uniformly and efficiently dispense dry ingredients across the width of the dough sheet. The intake hopper is filled with dry ingredient (such as flour or cornmeal). An auger pulls the ingredient from the intake hopper and distributes it across the length of the main hopper for even dispersal. An agitator inside the intake hopper keeps the dry ingredient moving smoothly. Sensors mounted at each end of the main hopper detect ingredient levels and signal for more ingredient from the intake hopper when levels are low. This provides even ingredient dispersion and is also useful on wide conveyors or in hard to reach locations since the intake hopper is filled at the side of the machine.

Flow adjustment slides and a screen control the dispensing pattern. The dispersion rate is adjusted with agitator speed and slide position. Quick release clamps retain the flow adjustment assembly which can be easily lowered for cleaning. The intake hopper can also be easily emptied of residual flour by releasing the two clamps and rotating the lower cover down.

Electrical specifications vary depending on customer requirements. The frame, mounted on casters, provides easy sanitation and mobile flexibility.

- **Easily refilled during production without reaching or spilling.**
- **The intake hopper, positioned for easy side loading, provides efficient access and improved operator safety.**
- **Can be used with a customer-provided ingredient supply source for continuous ingredient dispersion.**
- **Accommodates conveyor widths from 18" to 60".**



Moline Machinery LLC

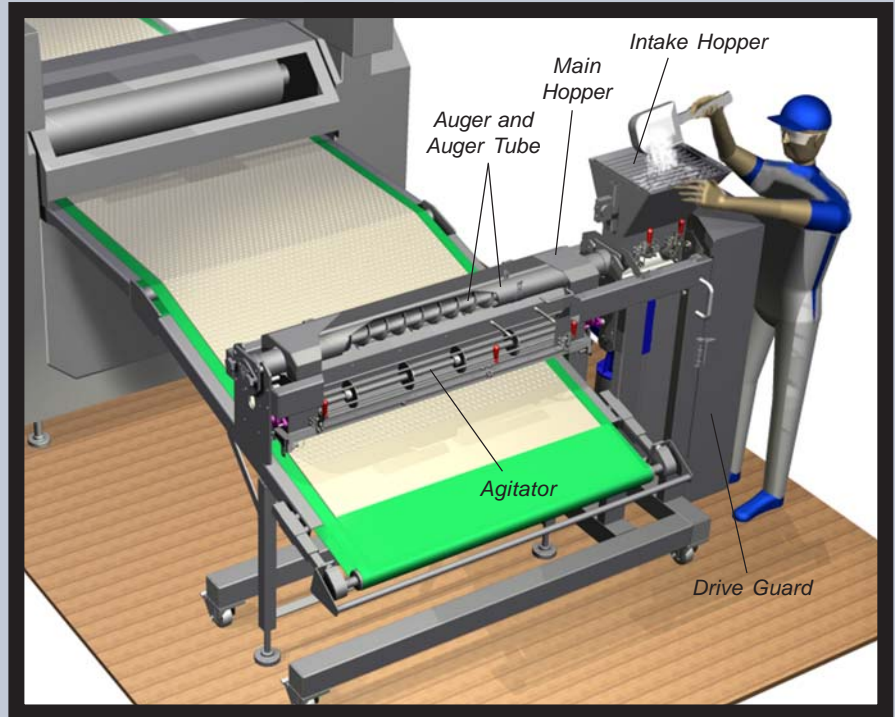
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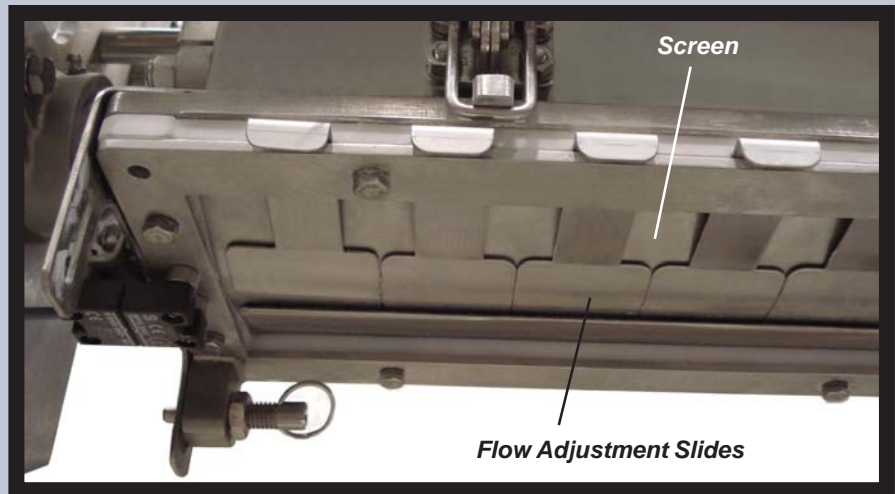
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Features

- **Construction:**
Stainless steel construction with precision machined components.
- **Available Widths:**
Accommodates conveyors widths from 18" to 60".
- **Guards and Covers:**
Safety interlocked guards prevent access to agitator and auger during operation but allow easy access for sanitation when the machine is shut down. Drive guard prevents access to drive areas during operation.
- **Agitator/Auger Speed Adjustment:**
Speeds are controlled through a controller (DC machines) or through the production system's operator interface (AC machines).
- **Flow Adjustment:**
Flow adjustment slides are pulled out or pushed in to alter the flour dispersion pattern as necessary during production.
- **Drive Systems:**
1/2 hp variable speed direct drives for both auger and agitator.
- **Electrical System:**
230 Volt, 60 Hertz, 3 Phase. Other electrical options are available.



Loading the Duster With Flour During Production



Flow Adjustment Assembly Components (viewed from below)

Optional Auto-Fill System

The optional auto-fill system efficiently maintains ingredient levels in the duster intake hopper, providing continuous and automatic ingredient dispersion to the product. Ingredient is continuously provided by a customer-supplied delivery system. The intake hopper ingredient level is maintained by level sensors mounted to the hopper which signal for more ingredient from the delivery system as levels decrease. This provides a continuous, automated ingredient application for high-volume production systems while requiring minimal labor and very little downtime.