



C200 SERIES INLINE
CHUTE BEDDING
DISPENSERS

www.nsc-betterbuilt.com



C200 SERIES INLINE CHUTE BEDDING DISPENSERS

The BetterBuilt C200 Series InLine Chute Bedding Dispenser is designed to accept rodent cages automatically discharged from a tunnel washer and precisely dispense a controlled amount of fresh, free-flowing bedding materials. Variable timed pneumatic valves simultaneously fill bedding into cages aligned beneath dispensing chutes.

Solid Construction for Durability

All dispensers are built with durability in mind. We manufacture these units using all stainless steel construction including the bedding hopper, conveyor, and support structure.

Storage / Dispensing Hopper

The storage/dispensing hopper located at the top of the unit is automatically filled through an inlet connection utilizing our clean bedding delivery system Sure-Flo™ or Sure-VAC™. Low level and high level sensors located in the hopper regulate bedding supply.

Powered Roller Conveyor System

Cages are transported through the bedding dispenser by powered stainless steel rollers with ball bearing type shafts. The 2" diameter belt powered rollers are on 3" centers. The stainless steel rollers have PVC sleeves for noise reduction and protection of the cages. The rollers are interconnected through o-rings which further reduce noise and provide increased safety.

Controls

The unit is provided with a stainless steel operator panel mounted on the side of the machine, complete with on/off, start, stop, E-stop switches, adjustable timers, and indicator lights. The bedding dispenser is controlled by a micro-PLC. Controls can be upgraded to 5" touchscreen with added features.

Controlled Volume

High-speed pneumatic valves ensure a controlled volume of bedding is dispensed into each cage placed beneath each chute. Cage presence sensors confirm a cage is correctly located and ready to accept bedding. Dispensing can be achieved individually or simultaneously using a foot pedal. The C200 series bedding dispenser is capable of handling multiple cage types, sizes and dispensing volumes.

Collection Screen

Removable stainless steel drawer type mesh screens collect any item that may fall into the load area of the dispenser.





External Dust Collector

An optional dust containment system can be integrated to the dispenser. The system is designed to capture dust generated during dispensing of the clean bedding materials.

Vacuum Transfer

Bedding materials are conveyed from the lower storage hopper to the upper dispensing hopper by internal vacuum system.

Different Bedding Types

Dispensing of different bedding types including problematic light-weight paper varieties is easily achieved when employing the correct agitation method. We offer sweepers, mixers, agitators and vibration devices.

Flap Gate Dispensing

Our non-slide gate design uses a pneumatic actuated flap gate which limits dispensing errors.

Automatic Cage Flipping Device

A simple yet 99.9% effective cage flipping device is located at the load end of the bedding dispenser. Cages coming from the unload end of a tunnel washer are received by a stainless steel angled shelf which controls the flipping upright of cages automatically onto the inline bedding dispenser's powered roller conveyor. The standard flipping device is designed to be compatible with the majority of standard cages currently available. Adjustments are possible to enable the use of nonstandard type caging.





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APPLICATION

The BetterBuilt C200 Series InLine Chute Bedding Dispenser is an inline conveyORIZED unit designed to accept rodent cages automatically discharged from a tunnel washer and dispense a controlled volume of fresh bedding into one or more cages simultaneously.

MODEL	CONVEYOR WIDTH	OVERALL (W x L x H)
C224	24"	43" x 92" x 96"
C230	30"	49" x 92" x 96"
C236	36"	55" x 92" x 96"
C242	42"	61" x 92" x 96"
C248	48"	67" x 92" x 96"

STANDARD FEATURES

- All Stainless Steel Construction
- Adjustable Stainless Steel Feet
- Powered Stainless Steel Rollers
- PVC Coating on Rollers
- Shaft Bearings are Ball Bearing Type
- Self-contained Control Panel
- PLC Controls with On/Off, Start, Stop, E-Stop
- Adjustable Dispensing Timer
- Individual or Multiple Chute Dispensing
- Controlled Dispensing Level
- Cage Presence Sensors
- Pneumatic Dispensing Valves
- High and Low Level Sensors in Storage Hopper
- Hinged Front Viewing Window with Gasket
- Storage Capacity is 10 Cubic Feet
- 4" Inlet for Automated Bedding Delivery
- Unload End Auto Stop Sensor
- Collection Screen Drawer
- Non-proprietary Components

OPTIONAL FEATURES

- Right or Left Hand Configuration
- Seismic Anchors
- Extended Roller Conveyor
- Dust Containment System w/ Blower & Bag
- Torit Dust Containment System
- 4" Exhaust Duct Connection Point
- Agitation System to Promote Bedding Flow
- Vacuum Transfer System
- Integrated Air Compressor
- 5" TFT Color Touchscreen Control Panel
- 8" TFT Color Touchscreen Control Panel
- Stainless Steel Control Guard
- Thermal Cycle data Printer
- Waterproof Printer Cover
- 8 Fully Adjustable Dispensing Programs
- Program Security via Pin Number Access
- Built-in Advanced Diagnostics
- RS485 Communication Port for Remote Data Transfer
- Compact Flash Card for Data Collection
- PLC and Touchscreen Program Backup
- Ethernet Connectivity to PLC for Data Transfer
- Factory Ethernet Connectivity for Online Diagnostics
- Touchscreen Ethernet Web Server Connectivity
- Modem Connectivity for Factory Diagnostics
- Low Voltage Surge Protection
- Three (3) Phase Power
- Profile Sensors
- Activ™ IAC or CDS Integration
- Activ™ View Integration

RELATED EQUIPMENT

- Tunnel Cage Washers
- Cage and Rack Washers
- Sure-Flo™ Clean Bedding Delivery System
- Sure-VAC™ Clean Bedding Delivery System

DIVISION OF NORTHWESTERN SYSTEMS CORP.

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