



VBDS 4900

VACUUM BEDDING DISPENSING and BEDDING TRANSPORT SYSTEM

The VBDS 4900 is a true vacuum bedding dispensing system with select Environmental Enrichment dispensing capabilities. The VBDS 4900 is a bedding dispenser and a vacuum bedding transport, with integrated automated cage flipper and dust collection, all in one system. The VBDS 4900 is ideal for paper pulp, paper chip, cob, wood chip and for a defined habitat type laboratory animal bedding.

BRIEF SYNOPSIS OF ACTION:

Bedding is automatically conveyed, on demand, from a storage system via the integral vacuum transport system and stored in the dispensing hopper.

As cages leave the conveyor of the cage washer, the VBDS 4900 automatically senses the cage size and selects the appropriate programmed settings that match the cages. The programmed settings are operator adjustable, via the HMI graphic touch screen, to desired amount of bedding and select enrichment (if any) for each size cage.

The VBDS 4900 then aligns the cages, clamps and gently inverts (flips) cages 180° to right side up. The appropriate amount of bedding and enrichment (when selected) is then dispensed into the center of each cage.

FEATURES:

HIGH THROUGH PUT – Adjustable to over 1000 cages per hour.

SELF CONTAINED - Uses less space than conventional curtain style dispensers. Ideal for locations with restrictive floor and ceiling space. Does not require utility pump room nor other special facility design considerations.

COMPATIBLE – Will interface with the majority of conveyor type cage washers.

OPTIMAL OPERATION – Eliminates the need for manual handling and loading. Works with paper pulp, paper chip, wood chip and corn cob beddings.

HMI GRAPHIC TOUCH SCREEN CONTROLS – designed to be easy to use and easy to understand with self-diagnostic graphics, condition analysis and cage count functions. Available with remote communication options.

OHS & ERGONOMICALLY PROACTIVE - Reduces the risk of Musculoskeletal Disorders (MSDs) and other injuries, resulting in greater and safer productivity.

REMOVES DUST – The integrated dust removal system uses vacuum air to carry away the dust and leaves the work area uncontaminated.

LOW NOISE – Produces less than 70db @ 2' (Cabinet).

DIMENSIONS:

LENGTH -(without discharge roll-off conveyor)	60"	(1525mm)
HEIGHT - Conveyor, adjustable +/- 4" (100mm)	36"	(915 mm)
HEIGHT - overall, adjustable +/- 4" (100mm)	93"	(2363 mm)
WIDTHS - for conveyors 24" (610mm) wide	37.5"	(1258mm)
for conveyors 30" (762mm) wide	43.5"	(1258mm)
for conveyors 36" (915mm) wide	49.5"	(1258mm)
for conveyors 42" (1067mm) wide	55.5"	(1410mm)
for conveyors 48" (1220mm) wide	61.5"	(1520mm)



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REQUISITE COMPONENT: Remote Bedding Storage System - pre-existing or selected options (see OPTIONS)

OPTIONS: Remote Bedding Storage Systems: Bulk Bag Dischargers, Hoist & Trolleys; Bins; VBBS Automatic Bag Slitter; Silos
Custom Sorting Conveyors: Separate cages from non-caging materials exiting the conveyor washers.

UTILITY REQUIREMENTS:

208-230/480V -3 phase, 60 Hz, 13-26/6/30 AMP for standard applications. Consult factory for 50 Hz or other applications. 120V, 1/60/ 30 AMP. Consult factory for 50 Hz or other applications.
Compressed Air – 90 psi, 12 CFM consumption. Note: Consumption varies with conveyor wash belt speed.

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