

DC Lab Science

Animal Bedding Solutions

Storage – Dispensing – Disposal

CLEAN INDUSTRY Dustcontrol®

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Storage – Dispensing – Disposal



For over 50 years, systems from Dustcontrol have been among the most effective solutions for handling, storing and dispensing clean animal bedding, as well as the disposal of contaminated bedding. Dustcontrol provides you with complete customer-specific solutions distinguished by ingenious details and high product quality.

The company Dustcontrol has many years of experience in the conception of extraction solutions for the most widely varying industrial sectors. The expertise acquired over these years is especially valuable in the realisation of demanding applications in laboratory research.

With Dustcontrol, you have a partner who will accompany you through the entire project from start to finish. We draw up plans to your requirements. Installation, initial operation, adjustment, documentation and system maintenance are included in the scope of our services. In addition to responsibility for delivery and installation, our project managers also provide training for the employees who will work with the system.

Over 150 customers have already demonstrated their trust in us as market leader in animal bedding handling. Give us a call; we would be happy to advise you.

A Multitude of Products

Dustcontrol has a large assortment of standard components and products for our industrial applications, high quality products that have been proven in hundreds of tough applications. These include tubing systems, receivers for material collection and storage (pre-separators), filter units, vacuum producers and controls.

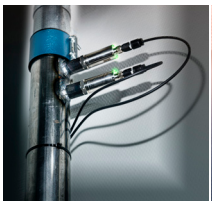
For Lab Science, we have complemented our standard industrial product range with modular stainless steel products such as funnels, storage silos, dispensers and waste disposal stations. While every bedding handling system is unique and contains special products, it is based to a large extent on standard modules.

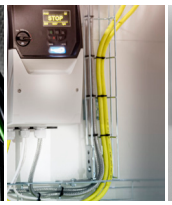
DC Smart System Control your animal bedding solution with our control system

Dustcontrol's control system, Smart Panel is standardized, configurable and offer a number of functions that contribute to both time, energy and cost effectiveness.

With these systems, Dustcontrol can now offer a connected overall concept including service and maintenance. By automating different parts of the management system the control system streamlines processes and minimizes manual interventions. This reduces the risk of human error and optimizes energy consumption.

With good maintenance of your Dustcontrol system, it can continue to deliver for decades. But when it comes to electricity and automation, things are moving fast. For PLCs that are up to 15 years old, spare parts can be very difficult to obtain. In addition, development is taking place rapidly in the customized suction power to save electricity, energy, and heating costs.





Sustainability at Dustcontrol

Our products are made to minimise the release of dust, fluids, and other invisible hazardous particles into the environment. Our slogan *Technology for Healthy Business* is an approach that characterises our entire operation.

Dustcontrols sustainability initiative is about having an active and credible work. For example, continued investments in adapting the business in relation to the sustainability perspective and to reduced climate impact in the entire value chain for our products and services.

Dustcontrols sustainability strategy is inspired by the UN's 17 global goals and works actively to contribute to them.

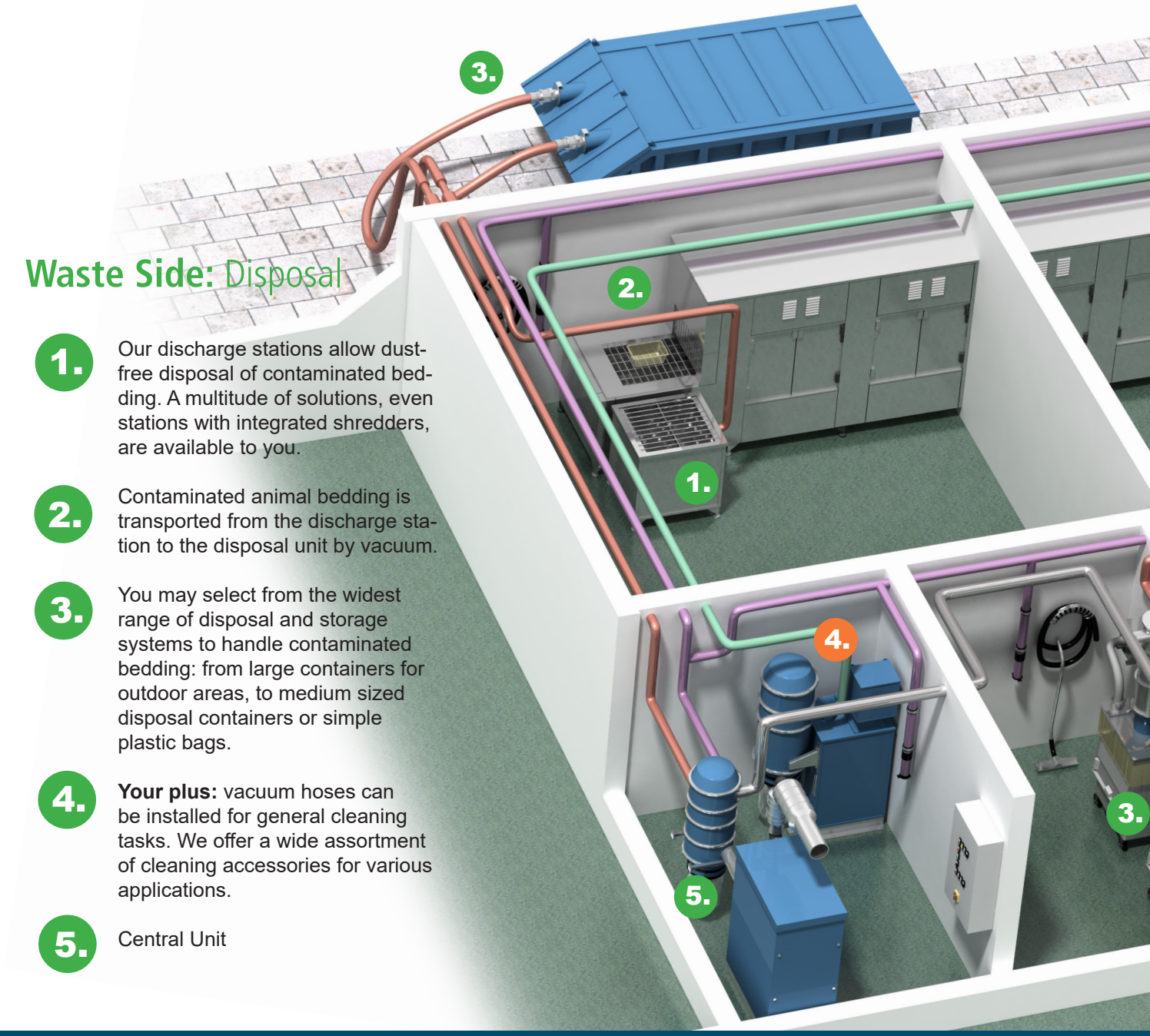
The four focus areas of Dustcontrols sustainability strategy are:





Dispensing and Disposal

The Dustcontrol System – Custom Made



Waste Side: Disposal

1. Our discharge stations allow dust-free disposal of contaminated bedding. A multitude of solutions, even stations with integrated shredders, are available to you.

2. Contaminated animal bedding is transported from the discharge station to the disposal unit by vacuum.

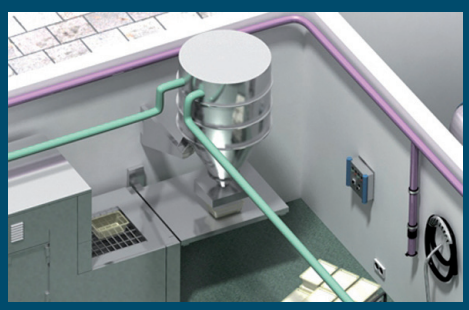
3. You may select from the widest range of disposal and storage systems to handle contaminated bedding: from large containers for outdoor areas, to medium sized disposal containers or simple plastic bags.

4. **Your plus:** vacuum hoses can be installed for general cleaning tasks. We offer a wide assortment of cleaning accessories for various applications.

5. Central Unit



Easy and dust-free supply to the Dispensing silo with BigBags.

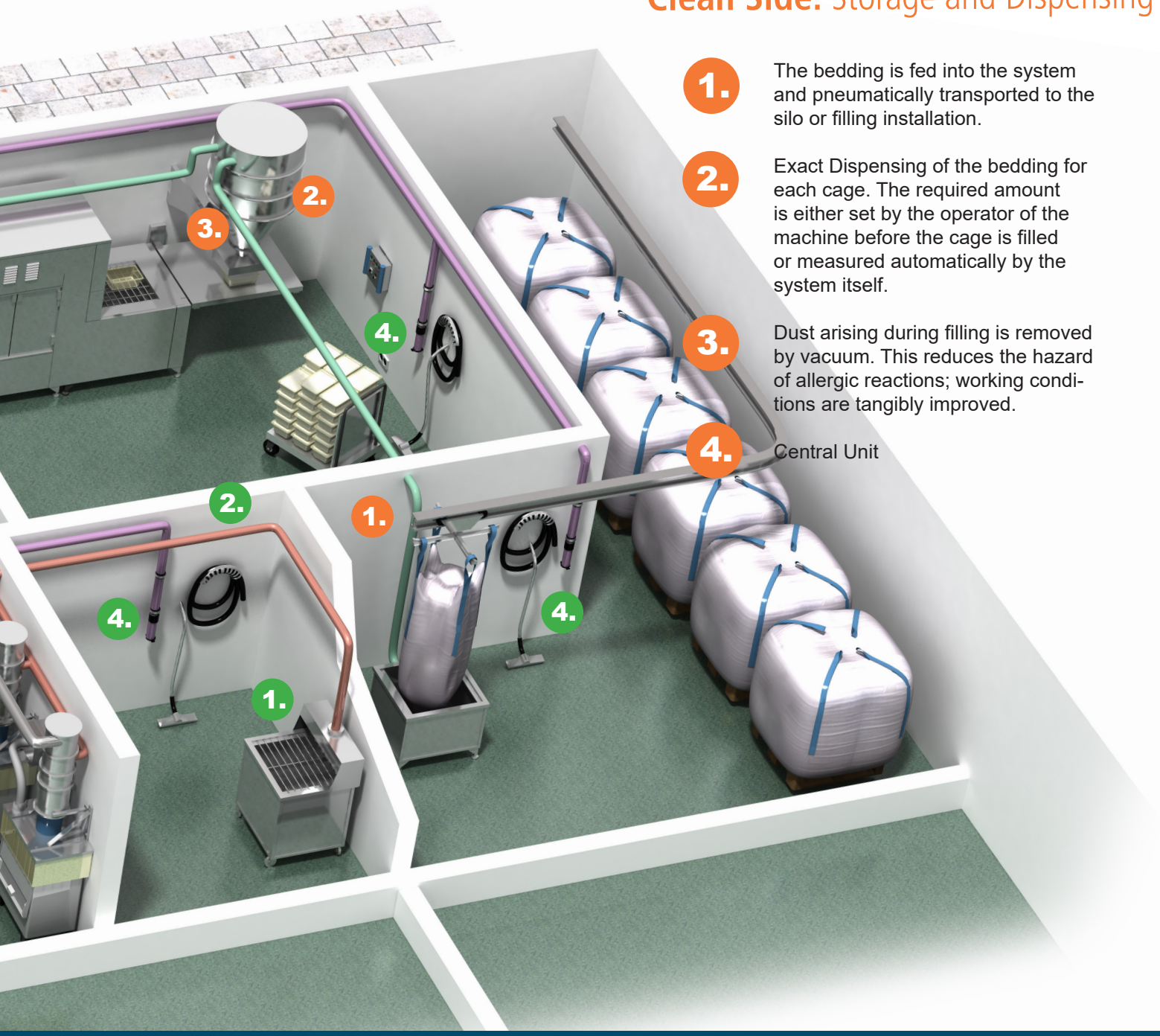


Interim storage of clean bedding in the silo and automatic or manually operated Dispensing installations.



Disposal of contaminated animal bedding into a feed hopper directly at the washer; additional disposal stations are available as options.

Clean Side: Storage and Dispensing

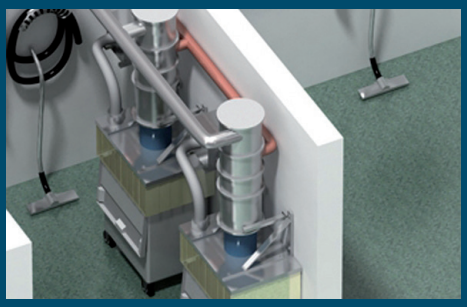


1. The bedding is fed into the system and pneumatically transported to the silo or filling installation.

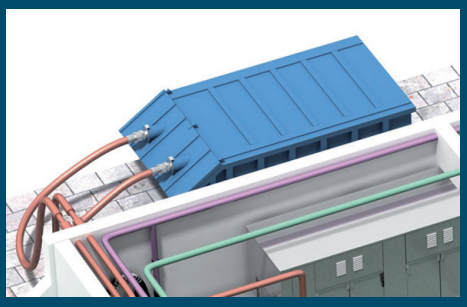
2. Exact Dispensing of the bedding for each cage. The required amount is either set by the operator of the machine before the cage is filled or measured automatically by the system itself.

3. Dust arising during filling is removed by vacuum. This reduces the hazard of allergic reactions; working conditions are tangibly improved.

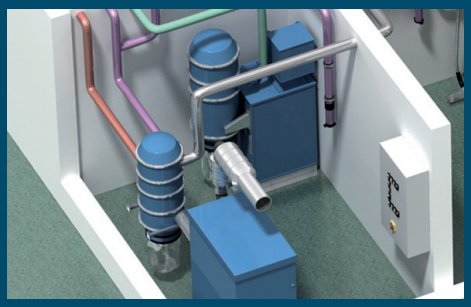
4. Central Unit



Separation and discharge, tuned to the local disposal system.



Dust-free and odourless bedding disposal into a vacuum sealed lorry container. Even large amounts of bedding are accommodated by custom-made solutions.



Technical central unit with dust separator, vacuum producer and controls. Designed specifically to actual requirements and always low-maintenance.

DC **Dispensing Silo**

Clean bedding material is entered in one of the types of a bedding filling station available. From there it is transported to a bedding storage silo or a dispensing silo through the stainless steel sealed tubing system. During the transport, the dust is separated and continues to the filter unit. Indeed clean bedding to dispense!

Six different cage sizes can be selected by the operator prior to dispensing or automatically detected on an automated system. The Silo must be connected to a control cabinet.

This Dispensing Silo stores 420 liters. (Inlet/Outlet Ø 76 mm/ Ø 76 mm, Module ring Height 360 mm.) All surfaces that contact collected material are designed of stainless steel. Optional: Dispensing table (incl sensor) part no 7193.

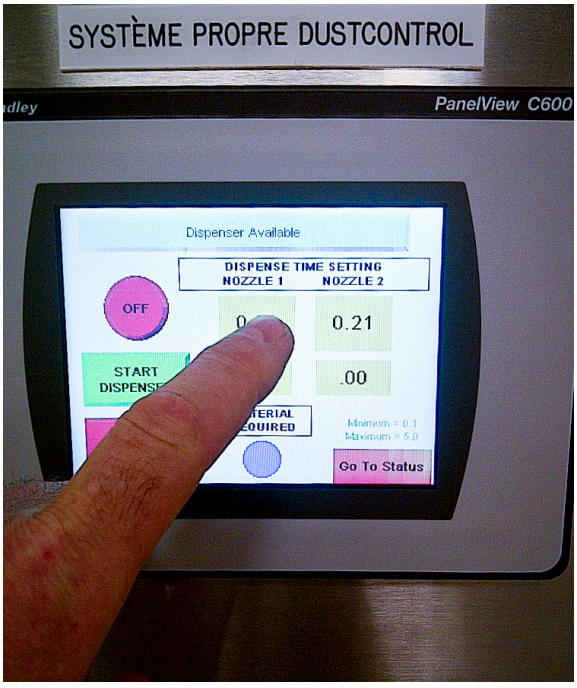
Part No	DC Dispensing Silo
7387	24VDC













DC **Shredder**

The shredder can be used for all bedding materials, Alpha-Dri or Enviro-Dri and enrichments such as: egg box housings, shredded card board paper, wooden chewing sticks (10x10x-100mm), nylon chewing sticks (18x20x80mm), rubber gloves and plastic toys.

By disconnecting compressed air, electrical power and the outlet, the shredder can be easily rolled aside from funnel and housing to facilitate cleaning or maintenance.The funnel, grate and protective hood are made of stainless steel. The shredder and electrical cabinet is epoxy coated. Also available is a cross flow unit in stainless steel which is mounted directly onto the DC Shredder (see below)

Part No	DC Shredder
73945	400V/50Hz or 460V/60Hz



DC **Cross Flow Hood**

The unit is equipped with quiet operation motor and highly effective H13 HEPA filters (HEPA14 as option). The filtered air is exhausted back into the room with no need for make up air. A warning light indicates a necessary filter change.

The front panel is easy to open, facilitating filter change or vacuuming the G3 pre filter cassettes. The whole unit is made of stainless steel.

Part No	DC Cross Flow Hood
1150	800 mm width, EU
1151	900 mm width, EU



DC **Shredder with DC Cross Flow Hood**

DC Shredder on wheels meets your demands on a light weight and easy to handle machine.

- Adjustable outlet (three positions)
- The funnel is designed in a manner to protect the operator from debris during the shredding operation.
- High capacity (600 cages type II/h)
- Removable cover plate for easy cleaning
- Effective shredding of the material



Why select an Animal Bedding System by Dustcontrol?

Minimised Allergy Risks

Bedding is de-dusted during the pneumatic transport; dust released when cages are filled and emptied is captured by vacuum – and allergy risks for employees are significantly reduced.

Optimised Ergonomics

Avoidance of heavy physical loads and long transport paths combine with reduction of improper bending and rotation of the torso improve the ergonomics of the entire work process.

Comfortable Work Environment

Massive reduction of dust exposure and greatly lessened strain on the human body provide a markedly improved working environment. The end result is raised employee motivation and lowered downtime.

Heightened Efficiency

Work process efficiency is noticeably raised, especially by increased work speed due to simplified filling and emptying of cages and by replacing manual with pneumatic bedding transport. De-dusting the bedding also reduces cleaning requirements.

Simple Handling

Precise dispensing of the amount to fill each cage assures standardised keeping conditions. With a Dustcontrol system, all types of bedding and forms of enrichment can easily be extracted.

Customised Solutions

Dustcontrol provides you with solutions custom designed to your own situation. We focus on economically pragmatic solutions without unnecessary accessories.

www.dustcontrol.com

Healthy Business

Dustcontrol®