



PATENTED DESIGN



**BDS+**

BEDDING DISPENSING SYSTEM

- True and unique dust containment
- Compatible with multiple types of bedding
- Fast refilling and easy dispensing
- Innovative highly ergonomic design
- Lowest environmental impact



**AUTOMATION**

**wt**  
a **TECNIPLAST** company

## 1/Innovative Concept

The compact Bedding Dispensing System is ideal for the repeatable dosing of clean bedding in small facilities.

The operator tips the bedding directly from the bags into the loading hopper with simple, ergonomic movements. A vacuum pump rapidly conveys the bedding up into the S/S dispensing silo, where it is stored.

A maximum level sensor controls the filling operation automatically.

The exhaust line is fitted with self-cleaning filters.

When required by the operator, the bedding is dispensed through the discharge mouth, dropping straight into the cages.

To perform this simple operation, just:

- Place the cages on the grid
- Slide them forward until the ultra-sound sensors are triggered.
- The set quantity of bedding is then automatically dispensed.

The control panel is equipped with commands, emergency button and touch-screen, with up to 5 settable dosage values.

The bedding dispensing system is fitted with casters and it can be easily moved and located wherever needed. This, combined with the mono-phase electricity utility requirement, make the BDS<sup>+</sup> the best “plug&play” machine in the market.

## 2/Versatility

As a general principle, all kinds of free flowing bedding materials can be processed (corn cob , heavy wood shavings, heavy wood chips).

Lighter material may easily generate clogging and stop normal operation, so an optional upgrade kit has been specially designed to allow the problem-free processing of this kind of product. A horizontal stirrer is fitted inside the dispensing hopper to mix the material and prevent any possible “bridge effect”. Please consult us to determine which configuration is preferable for processing the particular bedding you use.

## 3/Operator Protection

An integrated back draft hood with double level filters (G4+F7) guarantees the operator perfect protection. Two axial 24V fans assure containment through an air-flow of around 1400m<sup>3</sup>/h. A front access point allows quick and easy maintenance on the filters themselves.

## 4/Eco-sustainable Design

Sustainable use of the materials, using new technologies and manufacturing processes that conserve natural resources. Less steel and more recyclable plastic molded parts. All this in a modern design, combining environmental friendly results with operational benefits such as reduced weight.



## AUTOMATION

## BDS<sup>+</sup> Bedding Dispensing system Plus

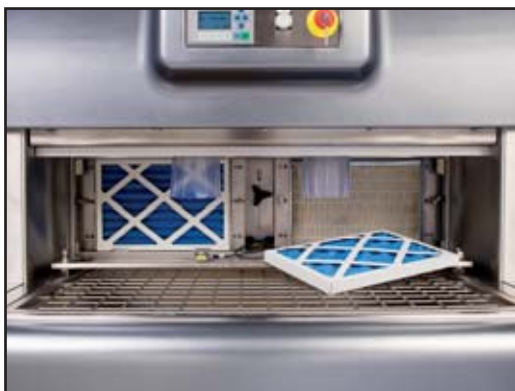
### Innovative Concept



**Versatility** **2**



**Operator Protection** **3**



**TECHNICAL SHEET**

**9BDSPLUS Basic Configuration**

Service Table - Compressed Air

Dynamic pressure (bar)	6			
Connection ø (mm)	10			
Consumption (l/min at 6 bar)	15			
Min flow rate (l/min at 6 bar)	15			
Quality	Filtered, dry and oil free			

Service Table - Electrical Supply

V (V)	Hz (Hz)	P (kW)	A (A)	Cable
230	50	2.0	25	Single-phases + earth
115	60	2.25	45	Single-phases + earth

**Eco-sustainable Design** **4**



## Basic Configuration

Bedding Dispensing System (9BDSPLUS) includes:

- Plastic covers.
- Vacuum pump.
- Loading hopper for free flowing clean bedding.
- Silo to stock free flowing clean bedding with max level sensor.
- Self-cleaning filters.
- Allergen containment kit.
- Valves, compressor air circuit, emergency button, touchscreen, control box.

*N.B: The unit is designed to dispense **by gravity only free flowing type bedding materials** (Consult us for list of approved beddings).*

## Options

- Kit for upgrading the unit to process light (or not free flowing) beddings (Consult us for list of approved beddings) (9BDSPLUSLB).
- Air compressor mounted on-board (9BDSPLUSCA).

## Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



**Logistic trolleys** offer safety and ergonomic features that enable high load-density for moving cages and bottles, crates, pallets and covers.



**650 Series Cabinet Washer.** High throughputs rates, short cycles and environmental friendly.



**800 Series Cage and Rack Washer.** Cost effective quality based cage and rack washing solution for small size operations.



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