

STORTH
EXPERTS IN SLURRY MANAGEMENT

De-Watering
Systems



STORTH
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Manufactured in the UK

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De-watering & Composting Systems

With over 30 years of working with slurry systems, Storth have worked together with our partner EYS, manufacturer of the de-watering machines to provide full turn key installations to suit every farmer's requirements.

We can provide a range of machines from simply separating liquid from solids to provide two materials which are easily handled, providing a high quality bedding material and generating a high quality compost.



Separation Systems

We have a range of machines to suit different requirements, from the SP/400 Model suitable for cattle numbers up to 150, through to the SP/800 model suitable for maximum cattle numbers of 1500.



Eco-Bedder Systems

The Eco-Bedder machine uses the same principle as the separator machines, to separate the liquid and the solids from the slurry, but doing so in a way that the solids are drier than those produced by the separators and can be used as a bedding material.

Bedding Composter Systems

The Bedding Composter machine uses the proven in vessel technology to produce either a material suitable for deep bedding cattle or compost from slurry.

Installation

Storth provide a full turnkey installation programme to suit every farmer's requirements. We manufacture all ancillary equipment to compliment each system, which is a huge benefit when it comes to maintenance and service of the whole system.

All gantries are manufactured in house and built to BS5502 standard.



Separation Systems

The EYS Separator is designed to mechanically separate solid and liquid fractions of fibre rich materials like animal manure. The robust design of the EYS Separator handles all types of livestock manure with ease, yielding a high output rate of very dry solids and a liquid fraction containing minimal suspended solids.



Separated solids being dropped into a trailer ready for transportation to an alternative site.



Benefits of the Storth Screw Press Separator

Reduce the volume of your slurry by separating into stackable, drip-free solids on one hand and easily spreadable nutrient rich liquids for your agricultural land on the other.

A higher dry matter compared to Roller Press alternatives.

Minimal wearing components.

Stainless steel screen.

Tungsten face hardened screw.

Very little maintenance.

Different size screens available to suit different applications.

One machine can handle up to 1500 cows.

Overall slurry storage requirements decreased due to the reduction in volume.



	SP400	SP600	SP800
Engine	2.2 kw	5.5 kw	5.5 kw
Capacity (Cattle Manure)	10-15m ³ p/h	30-50m ³ p/h	50-70m ³ p/h
Output Humidity	70-75%	65-70%	67-72%
Dry Matter	25-30%	30-35%	28-33%
Max Livestock #	150	1000	1500

Eco-Bedder Systems

The Eco-Bedder uses the same principle as the separator, separating the solids from the liquids.

However, the Eco-Bedder uses a heavy duty screen and smaller screen size than the standard separator, providing a much higher percentage dry matter, allowing this dry matter to be used as bedding material. This alternative to conventional bedding materials is saving farmers time and money.



Our Standard "Drive-In" Gantry allows for the bedding material to be dropped into a purpose built holding bay which a telehandler can drive into with a dispenser unit to use the bedding material efficiently.

Benefits of a Storth Eco-Bedder System

The slurry fibres from cattle slurry is a fantastic bedding material which has the same benefits as alternative bedding materials without the disadvantage of significant wear on machinery.

	SP600HD	SP800HD
Engine	5.5 kw	11 kw
Capacity (Cattle Manure)	4-8m ³ p/h	9-18m ³ p/h
Output Humidity	60-63%	63-66%
Dry Matter	37-40%	34-37%
Max Livestock #	n/a	n/a

All gantries are manufactured to BS5502 Standard.

Full turnkey installation.

Bedding is readily available.

No dust is produced when being dispensed on to the cubicles.

Saving money compared to other bedding alternatives.

Bedding Composter Systems

The EYS bedding composter produces excellent quality compost from your slurry, while offering significant advantages to traditional composting methods:

No need for a large composting area as everything is contained within one area.

Short composting time.

Automated system with almost no attendance needed

Minimal power requirement and operational cost.

The EYS bedding composter system consists of a special separator that de-waters solids down to a specific moisture level. The separated solids are then automatically fed into the special polymeric drum (patent pending), where they are retained for 24-72 hours. During this period, the system's computerised control unit adjusts the temperature, the moisture and the oxygen levels inside the drum automatically. Composting parameter can be monitored and adjusted through the touch screen control unit with ease.

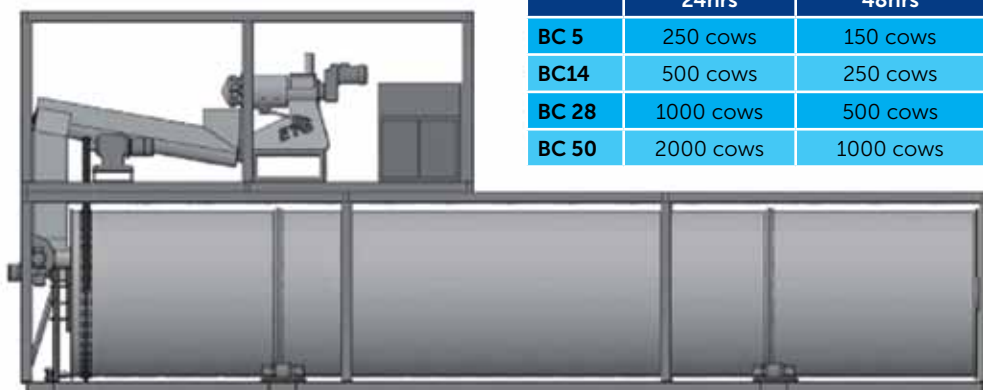
After the solids exit the composter, they are left to rest and cure for a period of 7-10 days, where they continue the fermentation process at a slower pace. At the end of this process, you have fully stabilised excellent quality compost that no longer generates heat or exhaust gases, ready to be used.



250 Cows



1000 Cows



	Retention Time	
	24hrs	48hrs
BC 5	250 cows	150 cows
BC14	500 cows	250 cows
BC 28	1000 cows	500 cows
BC 50	2000 cows	1000 cows



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