

Straw processing technologies



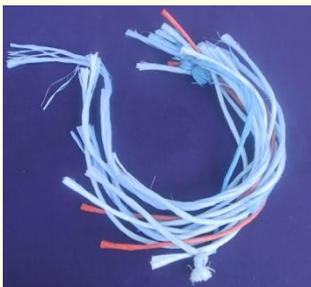
A new way for handling straw - with less



Obstacles

Cormall has been involved with the development and engineering of straw handling equipment since the early 1970's.

All through the period we have improved our technologies to ensure the stable and durable utility of our machinery.



Automatic string removal can be supplied.



Long steel parts after primary trap



Long wood part after primary trap



Bigger stones are separated at the primary trap and from here transported with auger to secondary trap.



The secondary trap is placed at the end of mechanical transport and before pneumatic transport of the straw. All material with higher density than straw, will be separated at the secondary trap.



Demands

We can support the technology for almost any demand you may have to the quality of the processed material, regardless if you want it without dust, without straw nodes, opened, full length or cut down to powder.

There is no purpose, that we have not prepared for. Let us know what your need is, and we will advise you with the best and latest technology.



Straw in full length Without shredding.



Straw after shredding . 80 % of the material, is below 60 mm after shredding. 99 % is below 100 mm.



Straw after hammer mill. The screen size on the hammer mill can work inside the range from 2 mm up to 100 mm.



The hammer mill, crushes the nodes and opens the straw tube thus making it more absorbent and giving access to the minerals inside the straw.

Straw shredder verses bale breaker

The active device



Shredder rotor

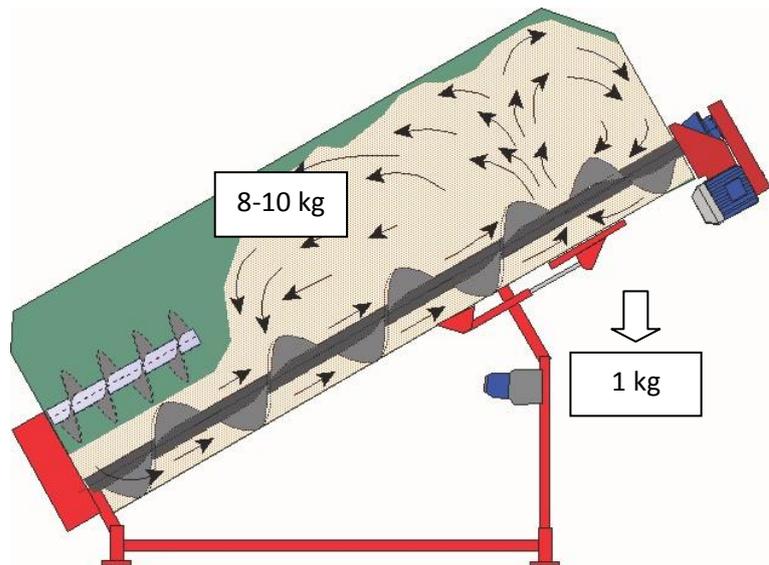


Bale breaker augers

RPM	3000 min ⁻¹	60 min ⁻¹
Power installed	2x 30 kW	2x 15 kW
Capacities	6-7 ton/hour	8-12 ton/hour
Max production	16-18 hours/day	24 hours/day
Noise dB	80-90 dB	50-60 dB

Moist percentages:

The new system can have 2-3 straw bales inside the machine, thus making an average moist percentage in a continuous flow rather than a batch.



Obstacles challenge in the old system:



Stones and steel breaking the shredder knives



Strings/twines tangling and packing around the shredding rotor



Plastic strings melting onto bearing and aksel shafts.

Unlimited application possibilities

Building materials.	: Chipboards of straw and for insulation panels.
Fuel	: Pelleting, briquette or as loose straw.
Biological process	: Mushroom prod., bio ethanol, biogas, composting .
Bedding material	: Dust free straw bales for poultry, pet shops etc
Packing	: Biological packing materials.
Animal Feed	: Diet feed mixtures for horses, cows and pet shops.
Wastes	: Cutting/chopping paper, plastic, packing waste etc.

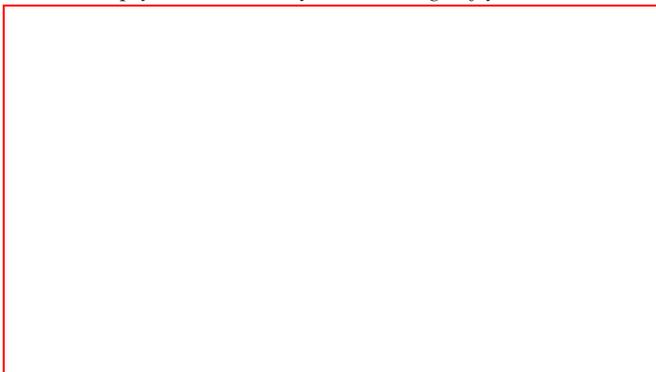


Straw Processing Technologies

Bales	: Round, Square conventional or loose straw
Preparing	: Automatic line feeding, cutting and removal of strings
Capacities	: Working from 250 kg up to 30.000 kg/hour and more
Straw moist :	: Moist percentage below 15% going up to 20 % max.
Processes range :	: Full length, cut down to specific size or into powder.
Straw quality	: With full dust extraction, just major extraction or non.
Environment	: Filters with dust emissions below 5 mg/Nm ³



Let us help you with the layout drawings of your ideas:



cormall

Maskinfabrikken Cormall A/S

Tornholm 3

6400 Sønderborg, DK

Tlf. : +45 74486111

Fax. : +45 74486120

www.cormall.dk