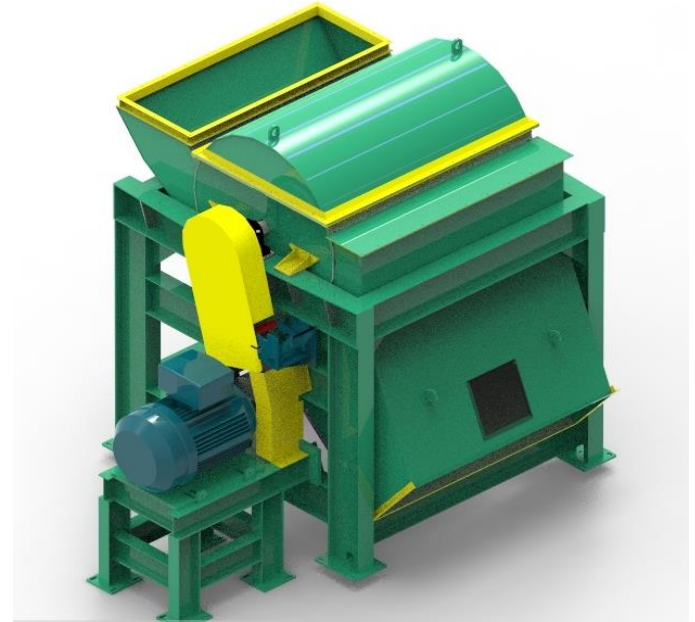


FS Straw Shredder

When It Comes to Fibrous Material, Our straw shredder FS series has been specially developed for shredding fibrous material such as straw, hay, maize cobs, cotton. The FS series comprises a rotor with blades chopping the straw into fine particles. FS Straw shredder comes in motorization from 37 kW to 150 kW.



Efficient Grinding of Fibrous Products

- The machine is specially designed for the size reductions of straw fibres.
- The wide opening makes it easy to feed the material into the shredding chamber through conveyor or dozer.
- The larger dimensions inlet and outlet for high volume flows with low bulk densities
- The particle can be directly discharged into the underground feed tank therefore it is not required for extra conveying systems.
- The control system has data acquisition system, providing you data to monitor the health of shredder as well as run your shredder at maximum efficiency.

Reliable Operation and Long Service Life

- Robust welded steel construction for continuous industrial operation (24/7)
- The shredding chamber has replaceable deflectors which divert the material towards the blades and also protect the wear of shredder body.
- The rotor is optimised for the given application and is dynamically balanced.
- As the size reduction of straw is majorly through chopping action the screen does not wear quickly. Therefore the life of screen is more.
- Belt Tensioning system is designed to have proper tensioning of drive belts reducing the slippage and power losses.
- The shredder has centralised lubrications system making lubrication of bearings easy.

High Availability with Low Downtimes

- The blades can be replaced easily by opening the top door.
- With minimum down time the blades can be replaced and shredder is good to go.
- Inspection door provides you access inside the shredding chamber to inspect the rotor and blades.
- Screens are slide inside the shredding chamber and clamped with tensioning bolts.

Fine shredder

	Model	Rotor Dia	Shredding chamber dia X length	Screen area m ²	Motor KW 50Hz 1000RPM	Throughput Tonne per Hour	Overall size Length X Width X Height (m)
1	FS-50	800mm	1200mmX1500mm	1.425	37 (50HP)	0.5TPH	2.5X2.7X2.8
2	FS-75	800mm	1200mmX1850mm	2.2	55 (75HP)	1 TPH	3.5X2.75X2.8
3	FS-100	1000mm	1365mmX1850mm	3	75 (100HP)	1.5TPH	3.5X3.5X3.1
4	FS-150	1000mm	1365mmX1850mm	3	120 (150HP)	2TPH	3.5X3.5X3.1
5	FS-200	1000mm	1365mmX1850mm	3.6	150(200HP)	3TPH	3.5X3.5X3.1

Standard Scope of Supply:

- Fine shredder mounted on frame.
- Vibration dampers.
- Inlet and outlet flange
- Electrical components completely wired to terminal boxes
- VFD drive system with HMI and data acquisition system.
- Drive motor B3.
- 1 set of blades and spacers
- 2 sets of screens, one of them is installed in the mill
- 1 set of special tools
- Multi-layer Paint coating



1. Fine shredder

Optional:

- Feed conveyor.
- Dust collection system
- Air conveying system



2. Top door opened to change blades



3. Belt tensioning

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