

# Precision ENGINEERS

GSTIN/UIN: 29ACNPK9113F1ZE

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## Twin Shaft Shredder

The Precision Engineer's Twin shaft shredder is the best example for modern engineering and technology in the field of recycling business. Each shaft is driven by its own motors and generators high torque at low speed providing enough power to each shaft. Twin Shaft Shredder used to Shred any type of wet or dry waste and convert it into shredded form for further uses or transportation purposes.



### **Application**

- Biomass shredding for briquetting
- Wet municipal waste shredding
- RDF bales shredding before feeding in incinerator
- Dry waste like paper, cardboard & plastic waste shredding for recycling
- Tyres, E-waste, medical waste shredding.
- Primary shredder for Bio CBG straw shredding.
- Shredding of agriculture and garden waste.

### **Reliable Operation and Long Service Life**

- Robust welded steel construction for continuous industrial operation (24/7).
- Both the shafts have individual motors providing enough torque.
- The shredder works in both auto and manual mode.
- The cutters and spacers are hardened and ground for proper shearing of materials.
- Cleaning Fingers are also ground increasing the efficiency of shredder.
- Heavy duty Roller bearings are used to have smooth functioning of machine
- The shredder has centralised lubrications system making lubrication of bearings easy.

### **High Availability with Low Downtimes**

- Split body design to replace the cutters.
- In case of over feeding, the cutters will automatically rotate back and forth to clear the jammed raw material, this function safeguard the machine from getting overfeed or damaged.
- Chain coupling to transmit high torque to shafts.
- Sealed bearing housing avoids dust entering bearing.
- Lotto key is provided to ensure the safety of person during maintenance of machine

# Twin shaft shredder

	Model	Cutter Dia	Shredding chamber Width X length	Motor KW 50Hz 1440RPM	Overall size Length X Width X Height (m)
1	TWS JAW-02	125mm	220mmX300mm	2.2 (3HP)X1 Nos	1X0.7X1.25
2	TWS JAW-05	150mm	300mmX500mm	4 (5HP)X1 Nos	1.25X1X1.5
3	TWS JAW-50	220mm	350mmX750mm	7.5 (10HP)X2Nos	2.75X1.5X2.1
4	TWS JAW-50	220mm	350mmX750mm	15 (20HP)X2Nos	3.5X2.2X2.1
5	TWS JAW-50	250mm	550mmX900mm	30 (40HP)X2Nos	4.25X2.5X2.75
6	TWS JAW-50	300mm	555mmX900mm	46 (60HP)X2Nos	5 X2.5X2.75

## Standard Scope of Supply:

- Twin shredder mounted on frame.
- Vibration dampers.
- Feed Hopper and discharge chute
- Electrical components completely wired to terminal boxes
- VFD drive system with control panel box.
- Geared motors B3.
- 1 set of special tools
- Multi-layer Paint coating

## Optional:

- Feed conveyor.
- HMI Control system with data monitoring
- Discharge conveyor



1. Twin Shaft shredder



1. Shredder assembly



2. Blades

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