

# SHAKTIMAN Rotary Mulcher Eco

## Perfect Solution for Crop Residue Management

Crop residue management is vital for soil health, air quality, and farm productivity. Traditional burning harms the environment and wastes nutrients, while new sustainable solutions convert residues into resources, cut emissions, and enrich soil. This presentation highlights innovative, eco-friendly approaches that support sustainable farming and better farmer livelihoods.



Clear field  
without  
burning



High Rotor Speed  
Ensures  
Fine Chopping



Reduces Fuel Use  
& Maintenance  
Need



Helps Return  
Organic Matter  
to Soil



Heavy Duty  
Gearbox



Optimized for less  
tractor load

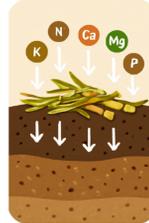
## Key Benefits

### Improved Soil Health and Fertility



#### Adds Organic Matter

The mulched trash decomposes, adding valuable organic matter to the soil. This improves soil structure, aeration, and water infiltration



#### Nutrient Cycling

Sugarcane trash is rich in nutrients. As it decomposes, it releases essential elements like nitrogen, potassium, calcium, magnesium, and phosphorus back into the soil, which helps supplement fertilizer needs



#### Temperature Regulation

The mulch helps to regulate soil temperature, keeping it cooler in hot weather and warmer in cooler conditions. This creates a more stable and favorable environment for root growth and overall plant development



#### Better Ratooning

Mulching facilitates a healthier environment for the ratoon crop, promoting better sprouting and growth from the harvested stumps

## Know Your Product

**Heavy Duty Top Mast**

**4 Belt XPB type Side Transmission**

**Skid Plate – Abrex Material**

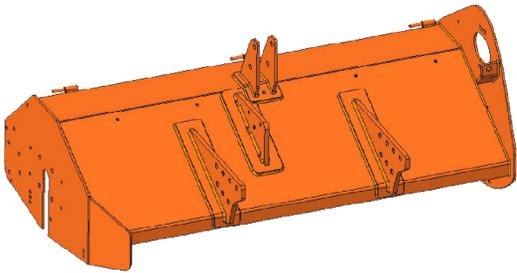
**Outside Grease Nipple**

**Handle for Easy Door Opening**

**Leveler with Adjustment**



# Features

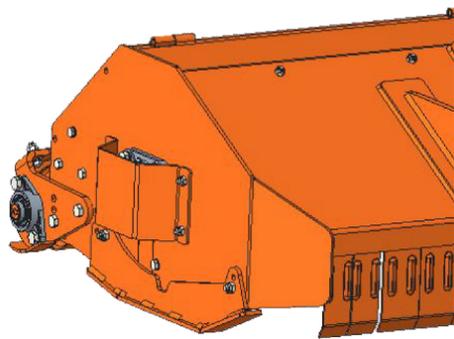
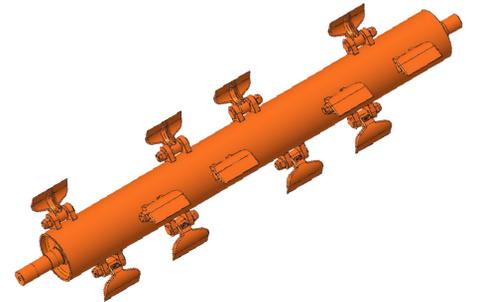


## Compact & Robust Design

Designed as a single piece box , which enhances chopping efficiency

## Perfectly Balanced Rotor Shaft

Rotor shaft is made from seamless tube of alloy steel and perfectly balance at high RPM which gives strength and noiseless operation

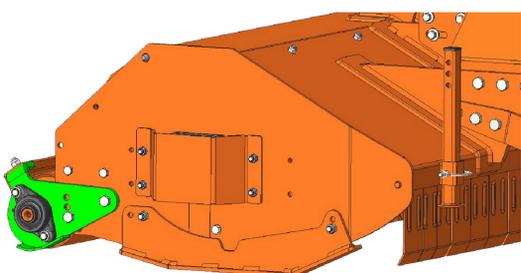
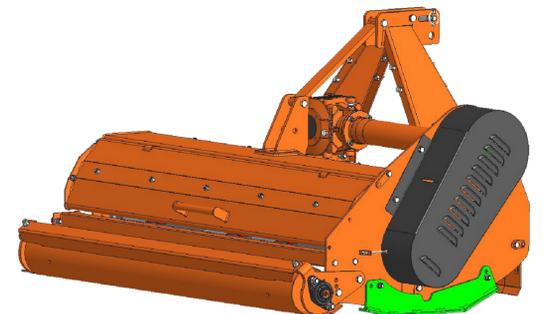


## Outside Mounted Rotor Bearing with Safety Protection for Easy Maintenance

- ▶ Rotor shaft is ensured by outside mounted bearing construction for easy maintenance & replacement
- ▶ Even rear leveler bearing is outside mounted for easy maintenance

## Heavy Duty Skid Plate – 8 mm

Abrex Material for less wear & tear

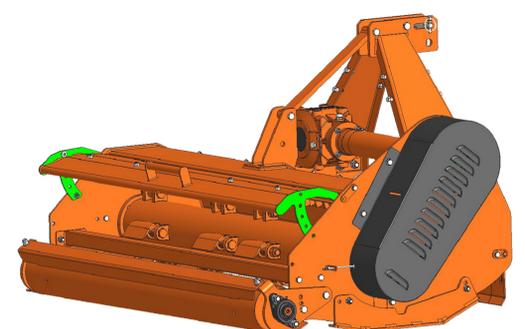


## Adjustable Roller

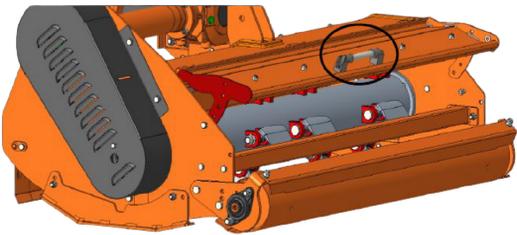
- ▶ 5 Positions
- ▶ For different field condition height of roller can be adjusted using the different combination of holes on side plates.

## Adjustable Rear Door Discharge Control

The rear door is equipped with multiple adjustable positions ◀  
Allows precise control over material discharge ◀



# Features

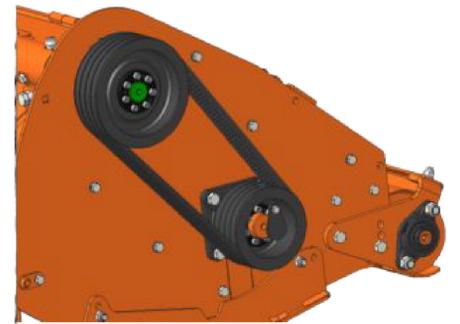


## Easy Opening of Rear Door

- ▶ Handle provided for easy Opening & Closing reardoor

## 4 Belt Side Drive

- Reduces belt wear and extending belt life ◀
- Better heat dissipation ◀
- More stable tension control ◀



# Technical Specification

SPECIFICATION	UOM	5 ECO	6 ECO
Overall Size L x W x H	mm	1194 X 1790 X 950	1194 X 2085 X 950
Working Width	mm (FEET)	5	6
Recommended Tractor HP	HP	50-60	50-60
3 Point Hitch Type		Cat-II	Cat-II
No. of Hammer	Nos	16	20
PTO Input Speed	Rpm	540	540
Side Transmission		4 Belt XPB type	4 Belt XPB type
Approx Weight	kg	530	625

### TIRTH AGRO TECHNOLOGY PRIVATE LIMITED

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