

DON'T BURN STRAW. BALE IT & EARN!

Turn waste into wealth with the Shaktiman Square Baler

THE PROBLEM : STRAW BURNING



Severe Air Pollution

Loss of Soil Fertility

Government Penalties

SOLUTION : SHAKTIMAN SQUARE BALER



Earn from Straw

Eco-Friendly Farming

Improves Soil Health



BALE MASTER 165+
ADVANCE TECH

Why Shaktiman Square Baler is the Smarter Choice

Manual Straw Collection – A Major Challenge

- Manual straw gathering is exhausting, time-consuming, and highly dependent on weather, making it unappealing to workers and reducing overall productivity.

Time-consuming

Labor-intensive

Low productivity

Weather-dependent

Often results in straw burning

- Handling loose straw is a tedious, labor-intensive task that requires skill and extra manpower, making the process time-consuming, costly, and inefficient.

Requires skilled handling

Inefficiency

Chances of spoiling straw stack



Burning Straw

The time between harvesting the 1st crop and planting the 2nd crop is very short. Collecting, transporting, and stacking loose straw is time-consuming, labor-intensive, and costly. As a result, farmers often burn the straw to quickly clear the field and prepare it for the next crop.



Introducing Shaktiman SBM 165 PLUS

The SHAKTIMAN square baler efficiently compacts hay, straw, residues of rice, wheat, and sugarcane into uniform, dense, and stackable bales using polypropylene twine or steel wire knots. This design optimizes storage and transportation, simplifies loading and unloading, and features a digital counter for bale tracking, making it a top choice for farmers seeking efficient, hassle-free operations.



COMPACT & HEAVY BALES

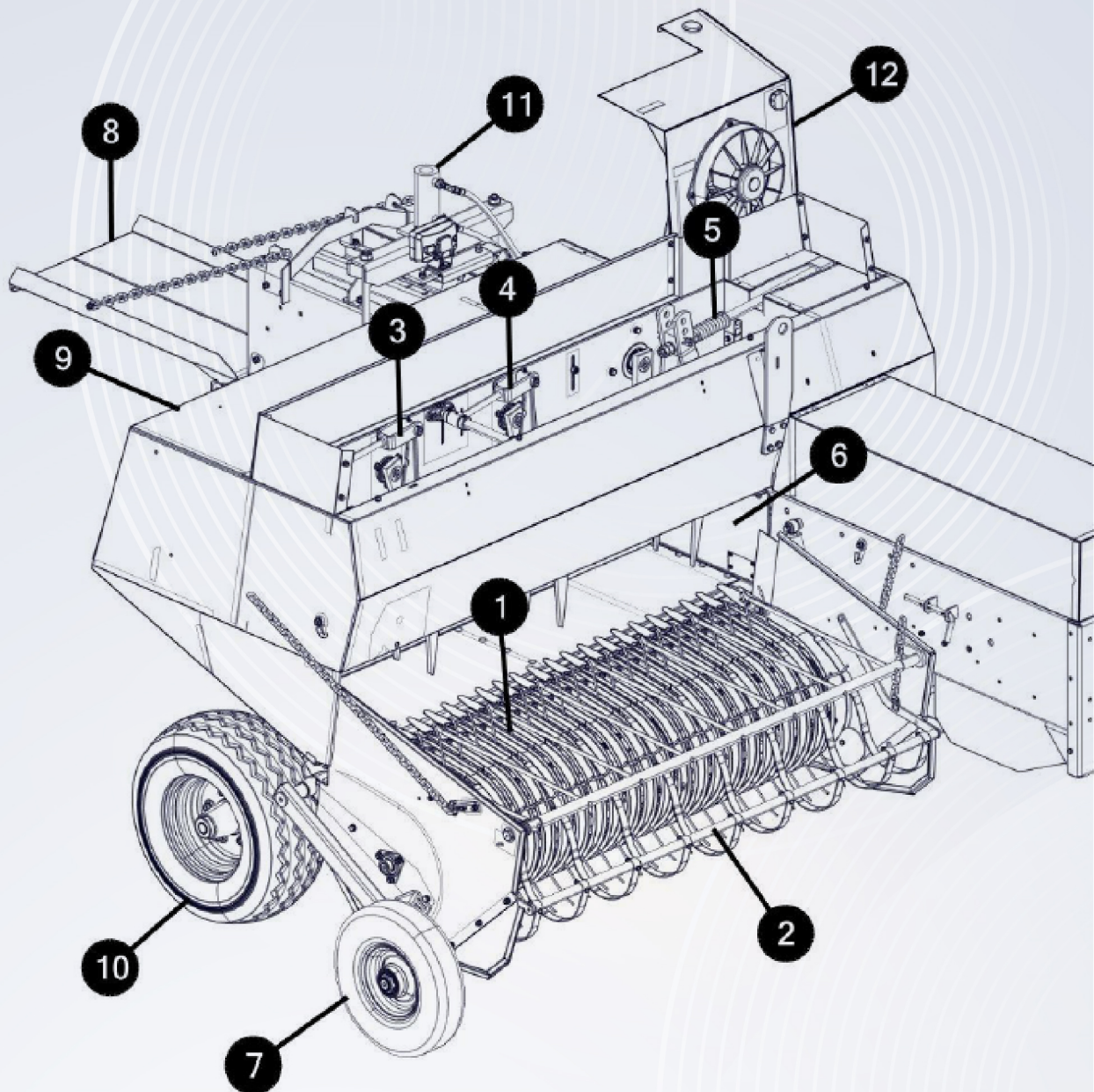
NEXT GENERATION GREASELESS KNOTTER

TROUBLE FREE OPERATION FOR MINIMUM DOWNTIME

MORE COVERAGE SAVE TIME & MONEY

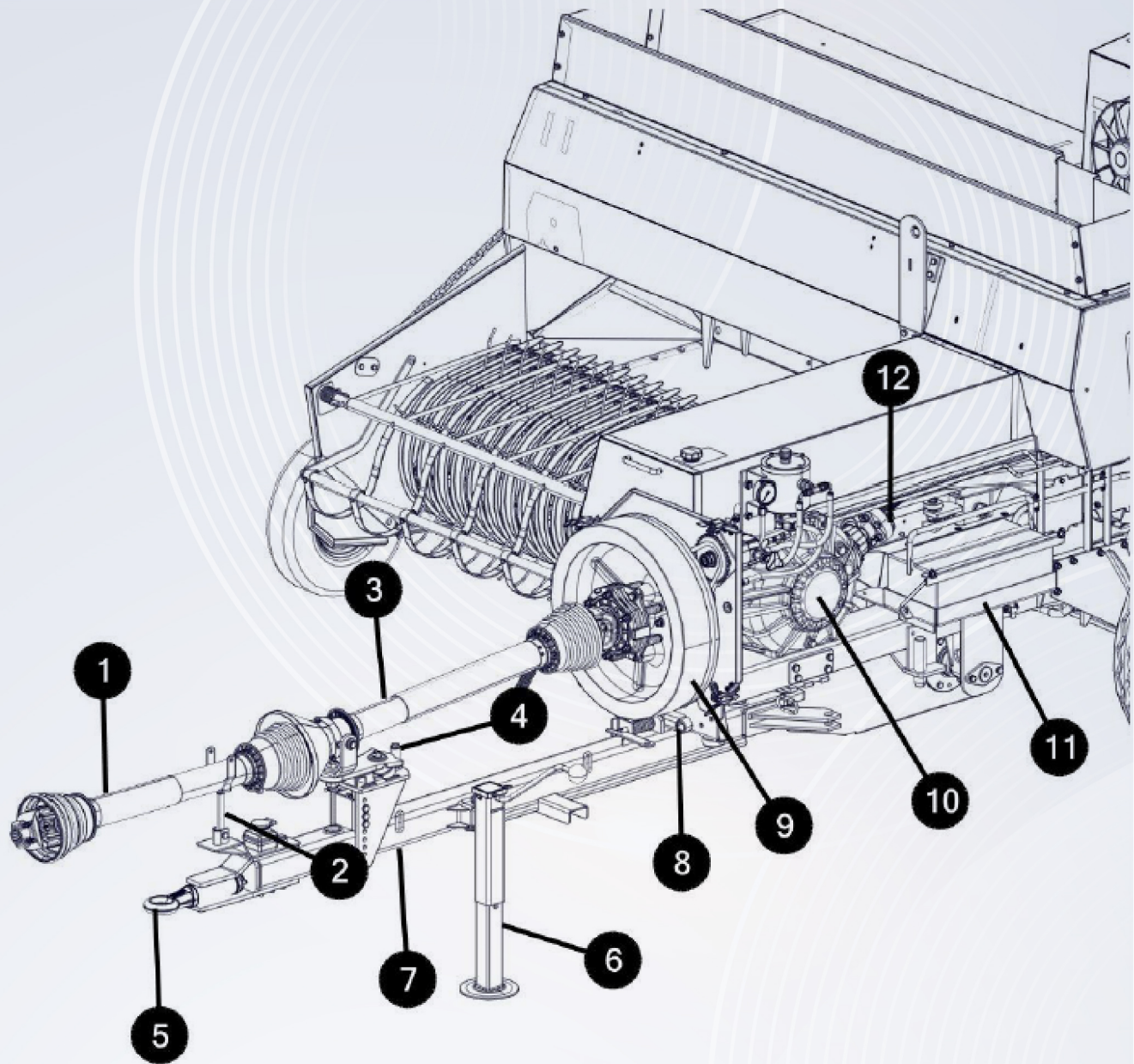
STURDY & RELIABLE

KNOW YOUR PRODUCT



1. PICK-UP
2. PICK-UP GUARD RAKE
3. FIRST FEEDER
4. SECOND FEEDER
5. THIRD FEEDER
6. BALE CHAMBER
7. SUPPORT WHEEL
8. BALE CHUTE
9. TWINE BOX
10. WHEEL
11. BALE COMPRESSION CYLINDER (FOR HYDRAULIC BALE EXIT)
12. KNOT HOOD

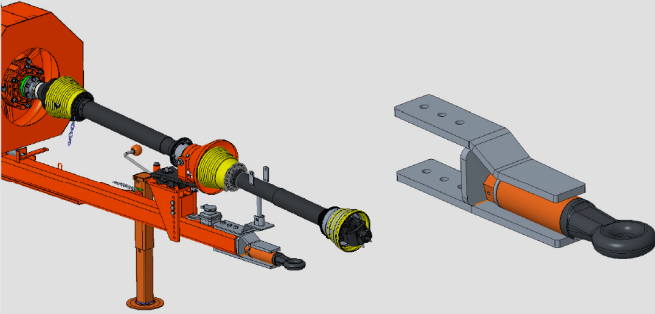
KNOW YOUR PRODUCT



1. PTO SHAFT
2. PTO SHAFT STORAGE YOKE
3. MIDDLE PTO SHAFT
4. MIDDLE PTO SHAFT HANGER
5. DRAW BAR COUPLING
6. MECHANICAL JACK
7. DRAWBAR
8. LATERAL ADJUSTMENT
9. FLYWHEEL
10. ANGLE DRIVE GEARBOX
11. TOOL BOX
12. KNOTTER DRIVES

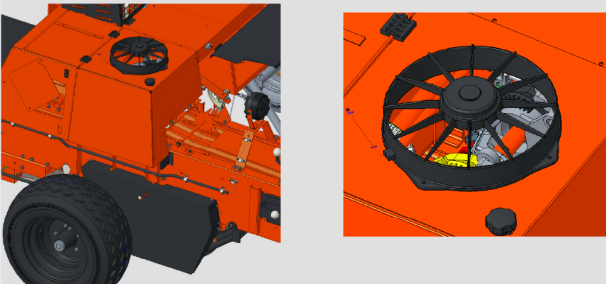
SBM 165+ | FEATURES

HEAVY DUTY DRAWBAR



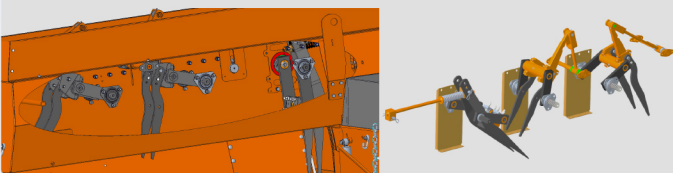
- This drawbar allows better maneuverability during field and transport operation
- Easy to attach with the tractor

DUST PREVENTING FAN FOR KNOTTER



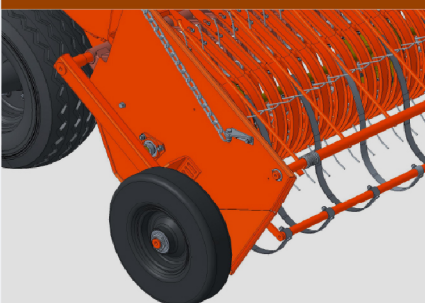
- Fan prevents the accumulation of dust at knotter
- Increased knotter life
- Prevents knotting issues

FEEDERS WITH HEAVY DUTY BEARING



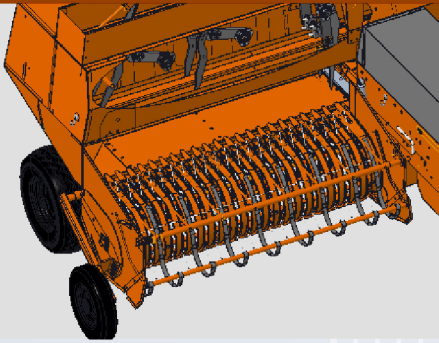
- Three Feeder feeding mechanism
- Each feeder have two tines
- The bale chamber side feeder is equipped with a spring-loaded mechanism for smoother feeding

GAUGE WHEEL TO PREVENT DAMAGE TO PICK UP



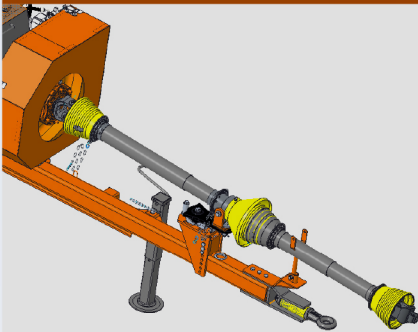
- Gauge wheel protects the pick up in field during bund crossing
- Maintains the same height from ground through-out the field even if land is undulated

WIDE PICKUP WITH CLOSED SPACED TINES



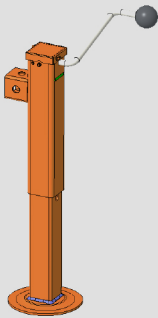
- Wider Pick-up is suitable for collection of straw from larger width of windrow
- More material can be picked-up by increasing output

SLIP CLUTCH PTO WITH SHEAR BOLT SAFETY



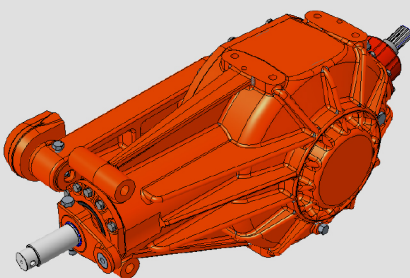
- Shear bolt prevent damages to driveline parts
- Slip clutch prevents drive engagement during reverse operation

MECHANICAL JACK FOR HEIGHT ADJUSTMENT



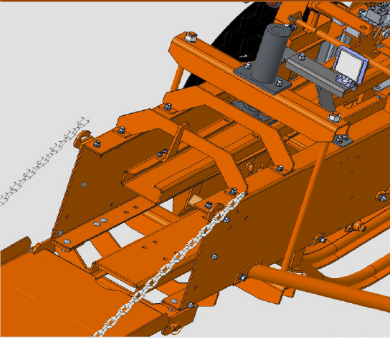
- Equipped with a mechanical jack for easy height adjustment during tractor attachment
- Very useful for storage of machine in balanced condition during off-season

HEAVY DUTY GEAR BOX



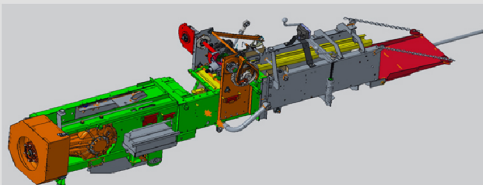
- Heavy duty gear box with hypoid crown and pinion teeth for high load conditions
- Easy to maintain as number of parts are less in comparison to chain drive

BALE DENSITY CONTROL (165+)



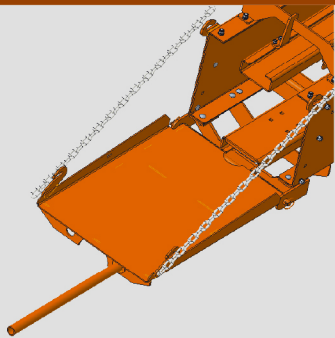
- Hydraulic bale density control ensures bales of perfect density and shape of bale
- Bale density adjustment is easy to operate with the help of hydraulic lever

BALE DENSITY CONTROL (165+ M)



Manual bale density adjustment in the square baler allows operators to fine-tune the compression in the bale chamber. This ensures consistent density, resulting in uniform bale shape and quality

BALE EJECTION SUPPORT



- The bale exit supports smooth and easy delivery of bales in the field.
- It also features a foldable design for convenient transport



SPECIFICATIONS

Parameter	SBM 165 Plus	SBM 165 Plus M
Length	6155 mm (with chute and field condition)	6155 mm (with chute and field condition)
Width	2910 mm	2910 mm
Height	1843 mm	1843 mm
Transport tyres - Right	10/80-12 (10PR) (2 Bar)	10/80-12 (10PR) (2 Bar)
Transport tyres - Left	11.5/80-15.3 (12 PR) (2 Bar)	11.5/80-15.3 (12 PR) (2 Bar)
Power Requirement (kW/hp)	33/45 & above	33/45 & above
Tractor P.T.O. speed	540 rpm	540 rpm
Working Width	1.65 M	1.65 M
Pick up Height adjustment	Mechanical and Hydraulic	Mechanical and Hydraulic
Feeder - Inner	2 TINES	2 TINES
Feeder- Middle	2 TINES	2 TINES
Feeder - Outer	2 TINES	2 TINES
Piston RPM	93	93
Bale Chamber (Width x Height)	460 mm x 360 mm	460 mm x 360 mm
Bale length	400 mm to 1100 mm	400 mm to 1100 mm
Knotter	2	2
Twine Box Capacity (Spool)	6	6
Twine Recommended Type	Polypropylene (PP), Sisal	Polypropylene (PP), Sisal
Bale Length control	Mechanical	Mechanical
Bale Density control	Hydraulic	Manual
Safety device	Safety Guards, Over running	Safety Guards, Over running
Safety device	clutch PTO, safety Bolt	clutch PTO, safety Bolt
Weight of the machine	1710 kg (Approx.)	1710 kg (Approx.)
Bale Weight	25 - 35 kg.	25 - 35 kg.



750+
SERVICE CENTER



TIRTH AGRO TECHNOLOGY PRIVATE LIMITED

Regd. Office: "SHAKTIMAN", Unit-I, Survey No.-108/1, Plot No. B,NH-27, Nr. Bharudi Toll Plaza, Bhunava (Village), Taluka: Gondal, Dist.: Rajkot. State: Gujarat-INDIA, Pincode-360311

☎ +91 (2827) 234567, +91 (2827) 270537 📠 Fax: +91 (2827) 270457

✉ info@shaktimanagro.com 🌐 www.shaktimanagro.com | CIN: U72900GJ2000PTC 038435