

# SILAGE & PULP PACKING MACHINE



We designed comprehensive packaging machine for small and middle scale enterprises. If it is requested, we can turn our machine into a packaging factory with higher capacity considering packaging needs of bigger enterprises. Instead of making the machine full automatic and expensive, our engineers created a semi-automatic and more economical considering the fact that it will be favorable to investment costs. You will pick suitable package for you by choosing packet size ( between 25 – 50kg ). You are going to carry packages you take from our machine without an extra hydraulic loader or expensive investments.

You can easily set packet sizes by choosing options between 25kg or 50kg with the help of co-operative system of the digital screen on the machine and scale system. You are going to make perfect packets with fallibility of 2%.

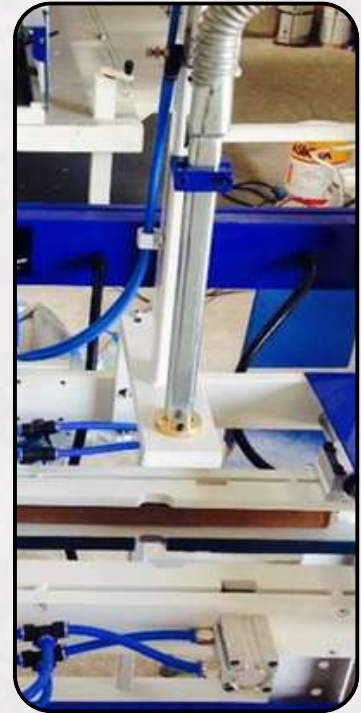


## PLC SYSTEM

It is easy to keep mechanism of the machine under control with PLC control panel and extensive interface in our machine. You can control all functions of the machine with one touch screen and have access to information such as tonnage and number of the product.

## ZERO AIR SYSTEM

It is necessary to keep the product inside packet for long time without the product getting affected and the air inside should not get out. Thanks to our ZEROAIR technology, the shelf life of the product can last for 1 year by vacuuming the air out. Thus, packed product will stay as fresh as the very first day.



## EASY USE

We designed the controllers in the most sufficient and easy way for an operator to control. Your operators will not have any difficulties and make an extra effort to operate.

## LED LIGHTING

The lighting system which is placed on different places of the machine will provide convenience to user by lighting the area where the machine works.



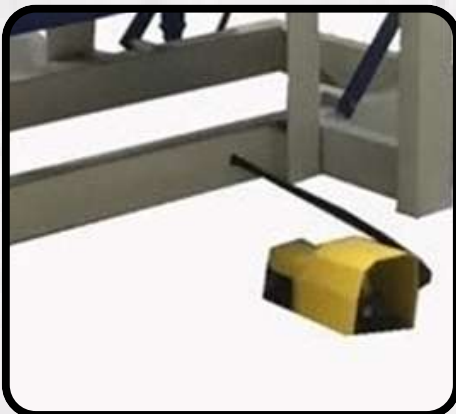


## **AUTOMATIC LOADING SYSTEM**

The feeding unit of our machine controlled by automation system automatically carries the products to pack up.

## **WARNING LIGHTS**

Our machine is designed with light and alarm system to warn you in any every conditions.

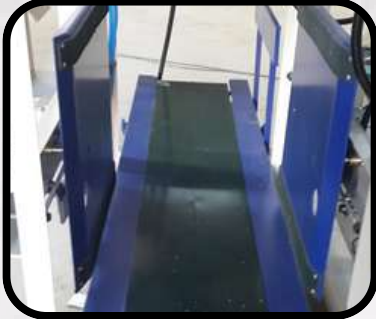


## **FOOT CONTROL PANEL**

As our Engineers, we aim to get the most efficiency from our Packing Concept. We provide a single foot pedal for operator who is working in vacuum packing, pressing and welding process.

## PRESSING SYSTEM

The process of packing ends with pressing the product by closing it after carrying the products prepared by mixer to band to take products into dosing system where the products are taken into packet by vacuuming the air out. Because process of pressing is a factor which affects the shelf life of the product, it is aimed to be perfect by using two strong pneumatical pistons .



## ULTRA SENSITIVE SENSORS

We prefer The Ultra Sensitive Sensors which is the eye of our machine to receive the most product without losing any time.

## STAINLESS DOSING SYSTEM

The areas which touch to the packet products are covered in chrome. This feature is added by considering that products may harm parts of the machine ( as optional ).





## **BUNKER MIXTURE AUGER**

Our aim is to set a flawless standard and in our machine. We build a BUNKER MIXING SCREW to prevent anything to stuck on the way thus we decreased the error rate to zero ( as optional ).

## **LOW POWER CONSUMPTION**

We pay the most attention to ensure high profitability and Low Power Consumption while designing .. We run PLC SYSTEM a compact form to make it to the machine with the lowest power consumption and mechanization software.



## **STRONG PROFILE CHASIS**

Considering the working conditions we offer the user a chasis structure strong.



## COMPRESSORS

Packing Concept provides all of the hydraulic movement through pneumatic pistons. These movements are gaining the power needed to ensure that we place on the machine thanks to the compressor. This also serves as another option while cleaning the machine.

## FAN COOLING SYSTEM

The weather conditions for the operation do not need to be under a certain degree or above thanks to Fan Cooling System in the PLC system board.



## STRONG PACKING HOLDER

Thanks to Strong Packing Holder which is the under the drain cover is able to packing in every size without any manpower.

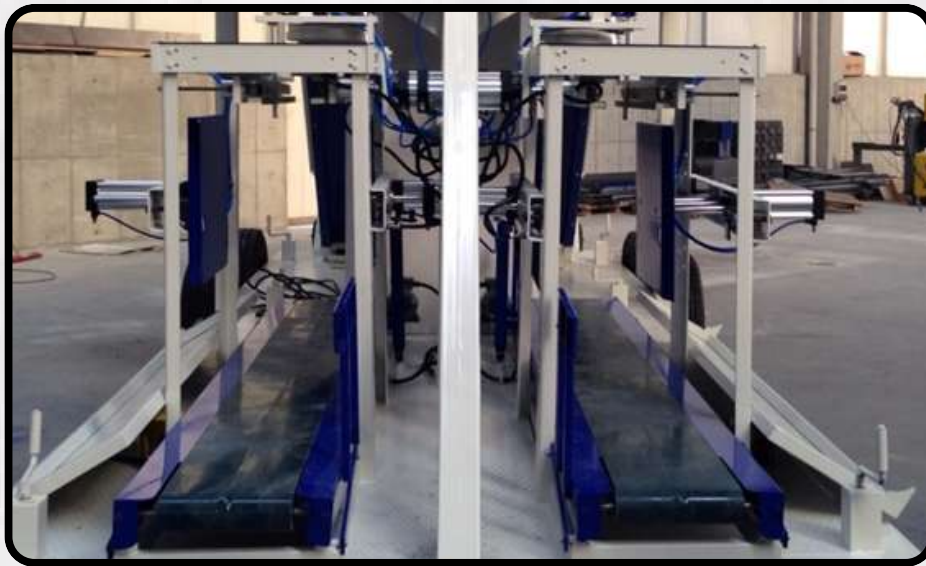
## FAST SEAL SYSTEM

Our aim is to keep packaged product fresh as long as possible. FAST SEAL rapid welding system will prevent exposure to external factors by switching off the mouth of the bag with a perfect way. Also you will be able to easily determine the temperature of the pack during the closure process that is required by the state of the ambient temperature from the control panel.



## PACKAGE CONVEYOR

Although it is a semi-automatic machine which needs no manpower except installing the filling chamber of plastic packaging mouth opening and manual correction of the bag mouth during mouth off. The conveyor has a big role to make this process so simplistic. The conveyor enabling the product to be packaged to move on a horizontal plane to minimize the need for manpower.



- PACKED PRODUCTS :
- CORN SILAGE PACKING
- SUGAR BEET PULP PACKING
- GRAIN PULP PACKING
- ALFA SILAGE PACKING
- ROUGHAGE PACKING
- 
- Bag Info :
- - dimensions : 65 x 95 cm ( for sugar beet pulp )
- - dimensions : 65 x 120 cm ( for corn silage )
- - Micron : 180 ( 90 + 90 )
- - Packing capacity : 25 – 50 kg
- - UV : 1 year / Low Density
- Electric Requirement : 380V
- Air Requirement : 6 BAR
- Vacuum Power : 1.1 KW
- Accurate Dosaging / Weighing : +/- 150 GR
- Packing Range : 25 – 50 KG
- OTOMATIC BUNKER BAND
- CAPACITY : 4.5 tons/hour (25kg) – 9 tons/hour (50kg) – SINGLE MODEL
- CAPACITY : 9 tons/hour (25kg) – 18 tons/hour (50kg) – DOUBLE MODEL

## ROW INDEPENDENT MAIZE CHOPPER



### TECHNICAL DETAILS

- |                              | 3 ROWS - 4 ROWS          |
|------------------------------|--------------------------|
| • Length                     | • 2700 mm – 2870 mm      |
| • Width                      | • 2400 mm – 3000 mm      |
| • Height                     | • 4100 mm – 4850 mm      |
| • Mower interval             | • 2100 mm                |
| • Chimney Layout             | • hydraulic 360°         |
| • Work capacity              | • 70/80 – 90/100 tons/hr |
| • Number of cutting blades   | • 12 price               |
| • Number of launcher pallets | • 12 price               |
| • Work cycle                 | • 1000 rpm               |
| • Fragmentation size         | • 4 - 7 mm               |
| • Tractor power              | • 110/120 / 150/200 HP   |
| • Tail shaft speed           | • 7 km/hr                |
| • weight                     | • 1900 kg – 2600 kg      |



### TECHNICAL DETAILS

- |                      | 2 ROWS             |
|----------------------|--------------------|
| • Chimney Layout     | • hydraulic        |
| • Cutting width      | • 1.220 mm         |
| • Number of Knives   | • 12               |
| • Fan count          | • 12               |
| • Folded width       | • 1.900 mm         |
| • Cutting width      | • 1000 rpm         |
| • Tail shaft speed   | • 4 - 6 km/hr      |
| • Length             | • 3.100 mm         |
| • Width              | • 3.290 mm         |
| • Height             | • 3.280 mm         |
| • Work capacity      | • 40 - 50 tones/hr |
| • weight             | • 1.180 kg         |
| • Fragmentation size | • 4 - 7 mm         |

## SUPERBLOW

One of the blowing technic; Superblow is the system developed as a result of perfect compliance of throwing pallets and outtake chute, as all the farmers need and wish. Our mission is here that you will reach high loading capacity by increasing the performance of throwers and blower.





## OPTIMUM SILAGE QUALITY

Silage quality is vital for digestion, pressing for bales, biogas facilities. It has reached the perfect result for the problem of not chopping the maize grain, corncob, not grasping the maize grain by the way of +chop system developed us. You can make silage how you need thanks to adjustable chopping length unit which you can adjust easily yourself.

## PERFECT ACCORDANCE OF BELTS AND PULLEYS

PTO driven gears on machine works perfectly. Power is transferred by the pulley and belts which can be easy for the farmers need of spare parts, maintenance and repair. The pulleys are under guarantee for the quality and the strength after the some tests. In terms of stability and efficient work; pulley adjustments and belt setting angles are vital. This transmission equipments is made and proceed on high precision CNC machines by the real professionals on his duty for not having any mistake.



## **AUTOMATIC SHARPENER**

The cutter knives on machine is covered with tungsten carbide. The material of alloy has high resistance for abrasion and heat which extend the durability. Sharpening with regular intervals the cutter knives is very important for reaching the ideal qualified silage and the top working performance. Sharpening unit on machine is designed for easy use of farmers and not giving any damage to machine. Farmers can sharp the knives easily by opening the automatic sharpener cover without any extra labour in few minutes.



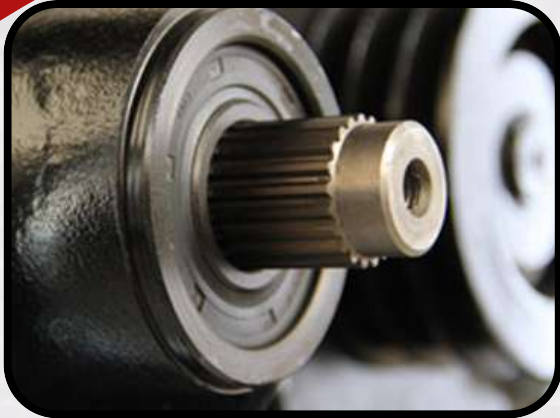
## **HYDRAULIC SYSTEM**

The hydraulic system used on our machine is powered by the hydraulic pump on the gear. You can control the chute for moving it left-right / up-down by this system in the tractor cabinet without need for going out. You can enjoy while using machine thanks to hydraulic control center.

## **ROW INDEPENDENT SYSTEM**

Because of the irregular seeding, the distance between rows are not equal and this is big problem for single and double row chopping machines. But with the row independent maize chopper you can chop any kind of plant as single row, double row or irregular rows easily. You can chop by single row maize chopper only one row, by two row maize chopper you can chop two rows however by independent row maize chopper with 125cm working width you can chop any kinds of plant without considering seeding now.



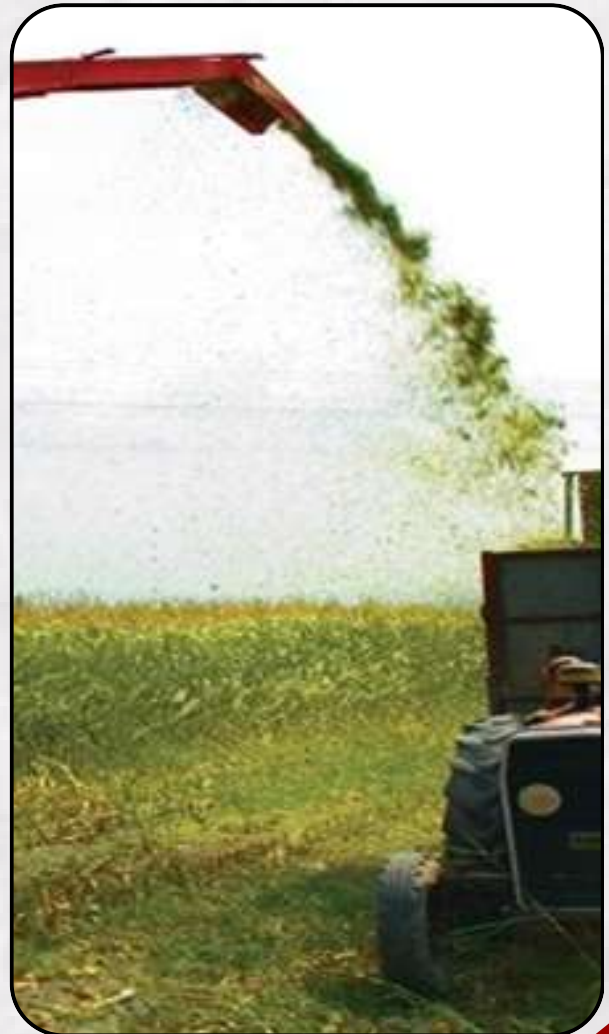


## PERFECT GEAR AND GEARBOX

There are four gearboxes on the machine which has different functions. Gearboxes are spheroid cast iron which has high draw resistance. The bearings used in gearboxes are the best ones. The gear in transmission are 7131 qualified steel which is specially hardened for this function. Also it is tested for warming up and their fraction by specialists and engineers. Each one has strengthened for their function and specially lubricated for longer life. As a result, has more efficiency sustainability and continuity.

## TURNABLE CHUTE SYSTEM

Chute used at single row maize chopper which is turnable to three different direction adapted to this machine. According to machine's chopping position the place of the trailer is not important now. By using of hydraulic control you can turn the chute where you need and you can make the loading. The chute construction of the machine produced by 2,5mm sheet metal gage and with the metal sheet and plate it facilitate your labour even the hard field conditions.



## FOLDABLE CHUTE FOR EASY TRANSPORT

While you carrying the machine the height of chute don't disconcert you. Thanks to hardy hinge and lift with hydraulic control on the chute you can fold the chute and you can manage the machine on the road easily.



## MAIZE LAYER

Layer system is a system which can direct the maize to the cutting drum during the chopping. This system has speciality to make silage without damaging, pouring, and laying under the machine to the product. It can help to chop against hard and tall maize.

## AUTOMATIC KNIFE SHARPENING

This sharpening method is used by us for years is the most effective and the best for the silage machines. Sharpening Stones with flange connection fixed on bearings enables to sharpen the knife automatically while the machine is running. This way saves your time and Works not like the old techniques.



# SINGLE ROW MAIZE CHOPPER

## AUTOMATIC KNIFE SHARPENING

Single Row Maize Chopper never tires your tractor through its light structure and strong transmission system; presents more harvesting guarantee with less fuel. Single Row Maize Chopper can harvest only one corn row has full hydraulic system so it presents high level performance. Its flywheel system composes 12 pieces cutter blade and 6 pieces thrower pallet. The cutting angles of blades have been designed specially. Harvesting unit composes 2 pieces transmission, 2 pieces shaft and torque gear, it requires the least maintenance in its class. The tilting system on the machine makes provides leading long height corns and makes easy harvesting process. The leader has been equipped by mutually 4 pieces spring and 2 pieces special PVC material to lye corn that was cut by knurled circle blades. So, product waste is decreased to zero. Harvesting height can be adjusted from tractor hydraulic arms. Telescopic wheel prevents fractioning the machine to ground. So, allowing foreign materials into the machine possibility minimized. The safety has been kept forefront at the machine, safety pin practice has been integrated into gear system to prevent possible damages.



### TECHNICAL FEATURES

Length (mm): 2500	Weight(kgs): 610	Height(mm): 3500
Fan Blades: 12 pcs	Capacity (ton/hour): 25-30	PTO: 540
Width(mm): 2300	Working Width(mm): 1[one] row	Mowing Blades: 2 pcs
Power Requirement: 50 hp min.	Tyre: 1 pcs, 18-6x8	Corn Cracker: standard

\*\*\* 1500mm working width available.



Fixed model available:  
electric or with PTO shaft



## **SAFETY**

All receiver unit is under guarantee of safety. In case of any blockage or any irrelevant substance intake, safety prevents the machines from damages. This system is the biggest guarantee for your machine.

## **KNIVES AND CHOPPING TECHNOLOGIE**

By the perfect aerodynamic of the flywheel system, we guarantee the optimum quality product cut and perfect smash. Specially designed flywheel cutters are produced by high quality materials durable for abrasion and for decreasing the cost of cutter.

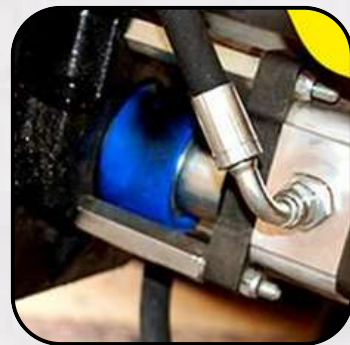


## **FRAGMENTATION AND GRAIN CRUSHING**

One of the most important thing for the corn silage is smashing the corn by cutters and not being sappy of corn pieces. This machine has the system and equipments to do this in the best way.

## **INDEPENDENT HYDRAULIC SYSTEM**

While our manufacturing the products, it has the principle for the products to be economic and also to be the higher class product optionally for the future. On this context, it is equipped with full hydraulic system.



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### **EXCELLENT BLOWING TECHNOLOGY**

There are 6 pcs special designed throwers on the flywheel system. These throwers by greatly sweeping the silages in the smashing box, rapidly diverts them to the chute. Via the special design of chute and the new changments on the flywheel system, it has the best heaping and the highest blowing capability among its category.



### **180 DEGREE ROTATABLE CHUTE SYSTEM**

The chute turning scale is increased to 180° with the new clip system, this scale is limited max. 90° for the equivalent machines.

### **CARBIDE COVERING FLYWHEEL CUTTER**

Flywheel cutters sent by machine as a standard can be covered by carbide for longer life and to be stronger for abrasion.



# GRASS FORAGE HARVESTER

## TECHNICAL DETAILS

- Length(mm): 1480
- Weight(kgs): 580
- Height(mm): 3050
- Width(mm): 2280
- Working Width(mm): 1300
- Mowing Blades: 24 pcs
- PTO: 540
- Power Requirement: 45 hp
- Tyre: 500×8

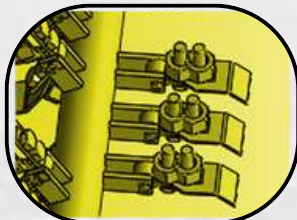
\*\*\* 1500mm working width available.



Our Forage harvester is an ideal machine to harvest forage, alfalfa, flowering plants, beet leaves, carrot leaves etc. The machine that has been equipped with transmission system that was designed to work at heavy conditions will meet your expectations properly even in the hardest conditions. Free independent rotor that composes two parts is made of special steel. Shape blades cause centrifugal power, this provides fixing position to wings during operation so the best harvesting is obtained even in the heaviest harvesting conditions. If the blades expose to any stone or similar high resistance, it will act to prevent damage. Remote control unit never requires maintenance and can work minimum power. Adjusting shape height is possible previously through adjusting screws. The machine has been equipped by 3 point suspension system so it has a different format from its equivalents.

## FLAIL CHOP

Chopper is a harvester based on flail chop principle which cut all kinds of green and dry plants by smashing. Flail chop is a cutting technic which based on using the centrifugal force while turning 360° around the spindle of swinging cutters and 2st stable cutters fixed against to them to smash the plants. Flail chop technic is one of the most practical and common cutting technic used for a long time all over the world.



## MOVING PARTS SUSPENSION

Rotar – binder – cutter - moving parts suspension system causing centrifugal force enable the binder to stay stable and have the best cutting under the hardest harvest conditions. In case of exposure for high resistance, binders and cutters moves for preventing damage.

## HARD CONDITIONS

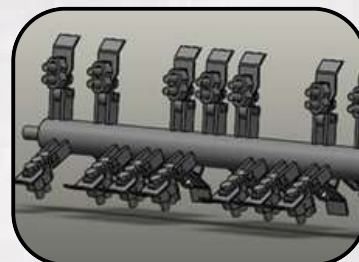
Gear box with oil tank is designed for hard conditions, equipped with transmission and safety systems. Gear box furnished with gears manufactured by high quality materials.

## KNIVES AND IDEAL SHREDDING SIZE

Swinging cutter knives working by centrifugal force moves the plants on land by smashing them accurately. Our harvester is able to work properly on wet floors. Strong telescopic suspension system work under all bad conditions taking power from machine's three-point suspension system.

## FULL HYDRAULIC CONTROL

Machine's independent hydraulic system, chute and cap is completed by hydraulic controllers. These controllers are a leading step to ease the harvesting operation.



## DON'T LEAVE YOUR PROFIT IN THE FIELD!!



Meet the New Standard in Forage Harvesting: Precision, Power, and Purity.

Farming is a race against time. After months of growing your crop, the harvest moment is critical. Every stalk left on the ground is lost revenue. Every stone or dirt particle mixed into the feed lowers its quality.

It is time to upgrade your harvest. Introducing our New Generation Forage Harvester (Chopper)—engineered to pick up every bit of your cut swathes with vacuum-like precision.

### Why Choose This Machine?

As shown in the field tests, this machine is not just a tool; it is an investment in efficiency. Here is why your customers will love it:

1. "Zero-Waste" Pickup Technology The core promise of this machine is simple: Clean and Exact Collection. Thanks to its aerodynamically designed pickup unit, it lifts cut crops (windrows) off the ground with incredible precision. Whether the terrain is uneven or the crop is heavy, this chopper ensures that what you grew ends up in the trailer, not left behind on the soil.

2. Perfect for Alfalfa and Delicate Crops Handling delicate crops like Alfalfa (Lucerne) requires a gentle touch to preserve the leaves, which contain the most protein. This machine is optimized to pick up all kinds of cut products gently but effectively. It maximizes nutritional value by keeping the forage clean and free of soil contamination.

3. Powerful Chopping & Blowing System Look at the robust design in the second photo. The high-performance flywheel and chopping mechanism ensure a consistent cut length, which is vital for high-quality silage. The curved, aerodynamic discharge chute delivers a powerful stream, filling the trailer to the back corners without clogging, even with moist crops.

4. Built to Last, Easy to Operate Designed for rugged agricultural conditions, this machine features:

Heavy-duty Chassis: Built to withstand vibration and long working hours.

Simple PTO Connection: Easy to attach to your tractor and efficient on power consumption.

Low Maintenance: Durable blades and accessible components mean less downtime and more worktime.

### Maximize Your Feed Quality

For livestock farmers, better forage means higher milk and meat yields. By using this chopper, you guarantee:

Cleaner Feed: Less ash/dirt content.

Higher Efficiency: Faster clearing of the field.

Cost Effectiveness: Low operational costs and high reliability.

Harvest smarter, not harder.

Don't settle for equipment that leaves your money on the ground. Contact us today to learn more about specs, pricing, and how this machine can transform your harvest season.

# ROTARY RAKE

## HIGH EFFICIENCY AND CLEAN FORAGE

The Rotary Rake is engineered to optimize the harvesting process by gently forming harvested crops into uniform, airy windrows, making subsequent baling or collection significantly faster and easier. Designed for versatility, it offers exceptional maneuverability and covers a wide working area while requiring minimal tractor power. Its precision tines ensure that stones and soil remain on the ground, delivering clean stubble and high-quality forage free from impurities.

### Key Advantages:

- **Superior Raking Quality:** It separates the crop from foreign objects like stones, ensuring cleaner feed and preventing damage to baling machinery.
- **Energy Efficient:** The machine operates with low power requirements (min. 40 HP), maximizing fuel economy without sacrificing performance.
- **Safe and Compact Transport:** The rake arms are designed to be easily detached and secured on the chassis. This foldable structure minimizes the machine's width, ensuring safe travel on narrow roads.
- **High Maneuverability:** Its agile design allows for easy turns and effective operation even in smaller or irregular fields.



### TECHNICAL DETAILS

### 2 WHEELS – 4 WHEELS

• WORKING WIDTH (CM)	: 330	330
• WEIGHT (KG)	: 380	410
• TRACTOR POWER (HP)	: 40<	40<
• WHEEL NUMBER	: 2	4
• NUMBER OF ARMS	: 9	9
• TRANSPORT WIDTH (CM)	: 140	170

## SICKLE BAR MOWER

### PRECISION CUTTING AND DURABILITY

The Sickle Bar Mower is designed to deliver a sharp, clean cut that promotes rapid crop regrowth while minimizing product loss. Featuring a double-action cutter bar, this machine allows for high-speed operation (up to 6.5 mph) without compromising cutting quality. Its simple yet robust construction ensures years of trouble-free service, making it an ideal choice for harvesting forage in various field conditions. The unit is engineered to follow ground contours smoothly, protecting both the crop and the soil.

#### Key Advantages:

- **High Working Speed:** The double-action sickle bar enables efficient harvesting at speeds up to 6.5 mph (approx. 10 km/h).
- **Safety Breakaway Mechanism:** An automatic safety release protects the cutting unit from damage by allowing it to swing back if it strikes an obstruction (like stones or stumps) in the field.
- **Easy Transport & Storage:** A hydraulic lift system comes standard on all models, allowing the operator to easily raise the mower for safe transport and compact storage.
- **Robust Components:** Equipped with a heavy-duty P.T.O. shaft, transport blade protection, and a weight compensation spring that reduces ground pressure and wear on the skid shoes.



# VERTICAL MIXER FEEDER

## HOMOGENEOUS MIXING FOR OPTIMAL NUTRITION

Designed as the ideal solution for farms with 10 to 150 animals, our Vertical Mixer Feeders combine durability with a lightweight, efficient construction. The machine features a specially designed vertical auger equipped with durable cutting knives that can easily slice through round and square bales in a short time.

Unlike horizontal mixers, the vertical design eliminates "dead spots" in the mixing chamber, ensuring a perfectly homogeneous Total Mixed Ration (TMR) with additives and feed. Its design prevents residual feed from remaining in the tub after unloading, making it more hygienic and preventing waste. Additionally, the vertical system requires less power and offers a longer service life compared to horizontal counterparts.

#### Key Advantages:

- **Efficient Cutting & Mixing:** The vertical auger rapidly cuts bales and mixes feed additives homogeneously without crushing the nutritional value of the forage.
- **Hygienic Operation:** The unique tub design ensures complete discharge, leaving no leftover feed inside to spoil.
- **Energy Saving:** Engineered to operate with lower power requirements compared to horizontal mixers.
- **Precision Feeding:** Available with an optional digital weighing system to prepare exact rations for your livestock.
- **Durability:** Simple yet robust construction ensures longevity and low maintenance costs.

#### Optional Equipment:

- Full Hydraulic System
- Digital Weighing Scale
- Unloading Belt (Conveyor)

CHARACTERISTICS	1.5 m <sup>3</sup> (Electric/PTO)	3 m <sup>3</sup>	4 m <sup>3</sup>	6 m <sup>3</sup>	8 m <sup>3</sup>
Length	1.750 mm	4.200 mm	4.300 mm	4.900 mm	4.900 mm
Height	1.650 mm	2.200 mm	2.300 mm	2.500 mm	2.600 mm
Width	1.450 mm	1.900 mm	2.000 mm	2.100 mm	2.250 mm
Weight	550 kg	1.300 kg	1.500 kg	2.700 kg	3.500 kg
Number of Knives on Auger	2	5	6	6	6
Min. Needed Power	15 HP	35/45 HP	55 HP	60 HP	75 HP
Feeding Capacity (Cattle)	15-20	50-60	70-80	90-100	110-120

