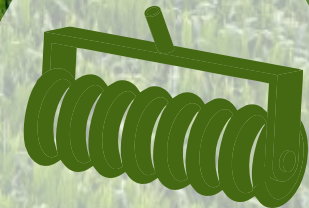


Agri Implements & Equipment Product Catalogue



Jamna Auto Industries Ltd.



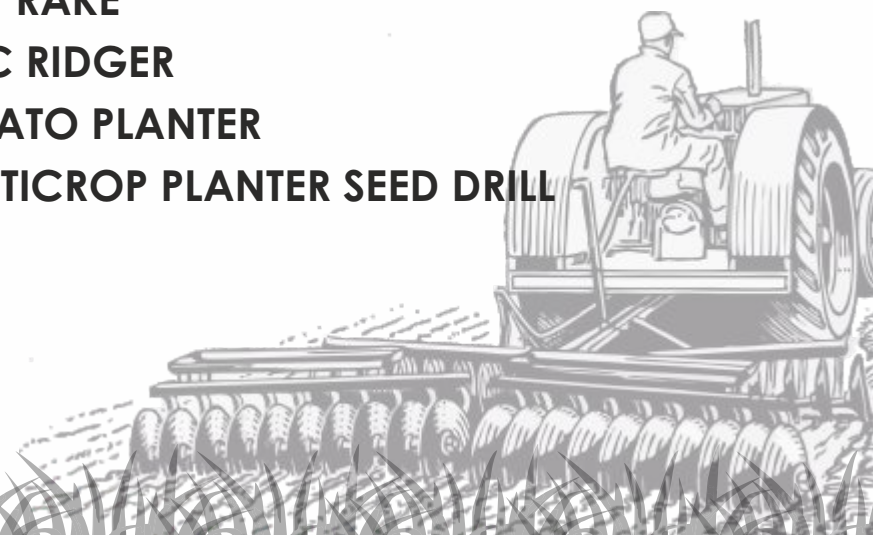


PRODUCT INDEX

- ROTAVATOR
- LASER LAND LEVELLER
- CULTIVATOR
- ROTARY WEEDER
- FERTILIZER BROADCASTER
- STRAW REAPER
- SUPER SEEDER
- MB PLOUGH
- HYD. REVERSIABLE PLOUGH
- DISC HARROW

UPCOMING PRODUCTS

- MOUNTED OFF-SET DISC HARROW
- HYDRAULIC TRAILED DISC HARROW
- SUB SOILER
- DISC PLOUGH
- TRAILER
- ROTARY SLASHER
- FLAIL MOWER
- MULCHER
- PNEUMATIC PLANTER
- SQUARE BALER
- ROUND BALER
- HAY RAKE
- DISC RIDGER
- POTATO PLANTER
- MULTICROP PLANTER SEED DRILL





ROTAVATOR

JAI - Rotavator elevates your farming capabilities to the next level with its advanced features and superior functionality. This powerful tool is specifically designed for seed bed preparation and excels in removing and mixing residual materials, ultimately contributing to improved soil health. With its heavy-duty structure and robust design, our rotavator serves as the ideal companion to complement your farming goals.



SALIENT FEATURES

- High quality boron steel blades
- High-tensile graded fasteners
- Flexible heavy duty damper spring assembly
- Heavy-duty gearbox
- Powder-coated paint for durability
- Ensures smooth operation in various soil types
- Provides ease of working in all type of cultivation
- Suitable for puddling due to improved soil churning

MINI SERIES	MASTER (Four Speed)	KING (Multi Speed)	KING (Single Speed)
ft. (3,3.5,4)	ft. (5,5.5,6,7,8)	ft. (5,5.5, 6,7,8,9,10)	ft. (5,5.5, 6,7)

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LASER LAND LEVELLER



JAI - Laser Land Leveller is a technique used to achieve precise land leveling by smoothing the land surface with an accuracy of ± 2 cm from its average elevation. This process involves using laser-equipped drag buckets to ensure precision in land leveling. The goal of precision land leveling is to create a consistent slope ranging from 0 to 0.2% across the fields.

SALIENT FEATURES

- Hassle-free, reliable, and easy-to-operate power mast, saving time and energy
- Creates a uniform moisture environment, improving water management and reducing consumption
- Controls land surface for reduced weed problems
- Contributes to water conservation efforts by reducing water requirements for land preparation

Laser Land Leveller Specification

Ft. – 7, 8



CULTIVATOR

JAI – Rigid & Spring Loaded Cultivators are designed to effectively mix and separate the soil for various purposes. They can be used before planting to aerate the soil and prepare a smooth, loose seedbed. Additionally, they are utilized during crop growth to control weeds by strategically the topsoil.

SALIENT FEATURES

- Robust frame for enhanced durability
- Heavy-duty forged type for increased strength
- Heavy-duty springs to effectively absorb sudden impacts
- Superior paint for long-lasting protection



Rigid Type	Spring Type
7, 9, 11, 13 & 15 Tines	9, 11



ROTARY WEEDER

JAI - Rotary Weeder Inter Row Rotary Weeder is Specially designed for the Inter cultivation and removal of weeds in various row crops such as corn, sugarcane, sunflower, cotton, and more.

SALIENT FEATURES

- Its modular structure allows for the use of independent tillage heads, catering to the cultivation needs of multiple rows.
- The JAI Inter Row Rotary Weeder offers a significant labor savings of 70 - 80% compared to manual hoeing methods.
- Powder-coated paint for durability





FERTILIZER BROADCASTER



JAI - Fertilizer Broadcaster is designed to provide effective field work, making it perfect for farming. It falls under the category of spreaders and is equipped with 25 HP or more implement power, ensuring fuel-efficient performance.

SALIENT FEATURES

- Enables faster spreading of fertilizer, saving spreading time and increasing efficiency.
- Simple operating mechanism and easy maintenance.
- Ensures uniform distribution of fertilizer through the use of a protection metering system, guaranteeing complete coverage.
- Saves time, labor, and fertilizer during operation by covering a larger area in the same amount of time.
- Replaces manual spreading methods and reduces the consumption

Fertilizer Broadcaster Specification

JAIFS-310, JAIFS-1000

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STRAW REAPER

JAI - Straw Reaper is used to cut the stub ends of wheat crops that remain stubbles in the fields after cutting by a combine harvester. It simultaneously cuts these remnants into small pieces, transforming them into straw (chaff) that can be used as cattle feed. The machine's outer pipe is attached to a tractor trolley covered with a net to collect the chaff.

SALIENT FEATURES

- The Straw Reaper allows for easy blade replacement, enabling better cutting performance.
- The height of the concave can be adjusted to optimize the threshing process for improved results.
- The cutting height can be easily adjusted using the hydraulic lever, providing flexibility in adapting to different field conditions.



Straw Reaper Specification

JAISR-56"



SUPER SEEDER

JAI - Super Seeder is a high-capacity machine used for cultivation along with seeding. The plants grow quickly and efficiently. These machines typically have hoppers for wheat seeds and can be used for a variety of crops with changes of hopper.

SALIENT FEATURES

- High-capacity machine for fast and efficient planting over large areas.
- Multiple hoppers (Replaceable) for different seed types.
- Disc Type mechanism for seed spacing and depth control.
- Designed to minimize soil disturbance and reduce environmental impact.
- Features like seed rate adjustment and shutdown in case of blockages or other issues may be available.





MB PLOUGH

JAI - MB Plough, also known as the Mould Board Plough, is primarily utilized for the initial soil preparation before sowing seeds or planting. It is commonly used for deep tillage, enabling the overturning of the upper layer of the soil. This process brings fresh nutrients to the surface while burying weeds and remnants of the previous crop. Additionally, the plough aerates the soil, improves moisture retention, and exhibits robustness to withstand heavy loads.

SALIENT FEATURES

- The plough is constructed with heavy duty structure for durability and strength.
- Height adjustable drawbar for flexibility and ease of use.
- Adjustment mechanism for controlling the working depth according to specific requirements.



MB-Plough Specification

Types : 2 Furrows , 3 Furrows, 4 Furrows with 12" & 14" Furrow



HYD. REVERSIBLE PLOUGH

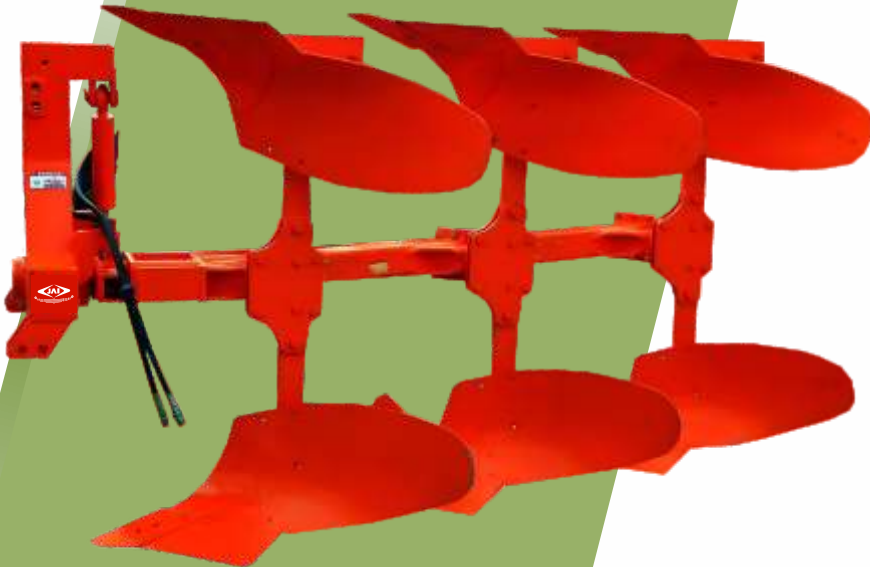
JAI- Hyd. Reversible Plough is designed for the initial soil preparation before sowing seeds or planting. It is primarily used for deep tillage, effectively overturning the upper layer of the soil. This process brings fresh nutrients to the surface while simultaneously burying weeds and remnants of the previous crop. Additionally, the plough aerates the soil, enhances moisture retention, and exhibits durability to withstand heavy loads.

SALIENT FEATURES

- The plough is constructed with a boron steel body for durability and strength.
- It features an adjustment mechanism for controlling the working depth, allowing for precise soil preparation.
- The height adjustable drawbar provides flexibility and ease of use.
- Powder-coated paint for durability

Hyd. Reversible Plough Specification

Types : 2 Furrows , 3 Furrows with 12" & 14" Furrow





DISC HARROW

JAI-Disc Harrow :- Harrow is specially designed for open land operations, primarily Tillage for super quality ploughing, soil preparation for sowing, and burial of organic substances and remains. It is suitable for use in light and medium soil types. The plough features high-quality boron steel discs with a hardness of 48~52 HRC. The tillage depth of the harrow ranges from 10 to 12 inches.

SALIENT FEATURES

- Constructed with a heavy duty structure for durability and strength
- Designed for heavy ploughing tasks in agriculture
- Equipped with concave metal discs for cutting and chopping weeds or crop residue
- Discs slice the ground repeatedly, promoting efficient soil preparation

Disc Harrow Specification

Disc Types : 22" , 24" & 26"





MOUNTED OFF-SET DISC HARROW

JAI - Mounted Off-Set Disc Harrow Compact Plough is a versatile agricultural implement used for various tasks in open field working. It is specifically designed for superficial ploughing, shattering of clods, preparation of soil for sowing, and burial of organic substances and remains. With its compact design, it offers efficient and effective soil cultivation, making it suitable for a range of farming applications.

SALIENT FEATURES

- Versatile usage as it can be used in both mounted and trailed forms, providing flexibility in different farming operations.
- Equipped with high-quality boron steel discs with a hardness rating of 48-52 HRC, ensuring durability and effective soil cutting.
- Offers adjustable tillage depth ranging from 152-203 mm, allowing farmers to adapt to specific soil and crop requirements.



Compact Series (660mm disc dia, 6mm thickness)

Disc Types : 22", 24" & 26"



HYD. TRAILED DISC HARROW

JAI - Hydraulic Trailed Disc Harrow is farming equipment with concave cutting discs attached to a hydraulic frame that is pulled behind a tractor. It prepares soil before planting by breaking it up and loosening it. The hydraulic system makes it easy to maneuver and lift the equipment, and it is commonly used for preparing seed beds for crops like wheat, corn, and soybeans.

SALIENT FEATURES

- Easy transportation on the tires using the hydraulic system, making it convenient to move the implement.
- High-quality boron steel discs with a hardness of 48-52 HRC, ensuring durability and effective soil penetration.
- Sturdy design and weight, enabling efficient breaking up of heavy clods.
- 360° rotating drawbar hook, allowing for easy assembly

Trailed Center Hydraulic Series (40mm Axle, 660mm Disc Dia, 6mm thickness)

Disc Types : 22" , 24" & 26"





SUB SOILER



JAI - Sub Soiler is specifically designed for soil cultivation, offering cost-effective solutions to alleviate the compaction of hard plow pans in the land. It helps retain moisture by facilitating the absorption of rainwater into the soil and promotes optimal water, air, and plant communication within the soil. Constructed with high-resistant steel, it is well-suited for heavy-duty work.

SALIENT FEATURES

- Robust frame designed for heavy-duty operations, ensuring long-term durability.
- Boron steel shovels for superior strength and resistance to wear, allowing efficient penetration of hard soil.
- High-resistant steel construction for reliable performance in demanding work conditions.
- Heavy-duty pointed and reversible shovels for effective soil penetration and cultivation, enhancing productivity.

Sub Soiler Specification

Types : JAISS-1, JAISS-3, JAISS-5 (with depth control wheels)



DISC PLOUGH

JAI - Disc Plough is a specialized agricultural implement designed for effective ploughing in different soil conditions. It is particularly well-suited for working in sticky or hard dry soils, as it replaces the moldboard plow bottom with one or more concave steel discs. The Disc Plough is versatile and can be used in various soil types to break, turn, and mix the soil, making it suitable for preparing new fields for farming and processing stony areas.

SALIENT FEATURES

- Boron steel body provides exceptional strength, durability, and resistance to wear.
- Forceful penetration of hard and dry soils due to the design of the plough.
- Efficient performance in sticky soil conditions with concave discs preventing soil clogging.
- Works effectively in loose soils like peat or sandy soil without significant clogging.



Heavy Duty Series (660mm Disc dia, 6mm thickness)

Types : 2 Disc, 3 Disc, 4 Disc with 22", 24" & 26"



TRAILER

JAI-Trailer (Tipping) is designed to handle heavy load-carrying tasks with exceptional efficiency. Its sturdy construction ensures durability, allowing users to tackle demanding jobs with ease. The trailer is equipped with convenient attach-detach features.

SALIENT FEATURES

- Heavy-duty robust structure
- Easy attach & detach with a tractor
- Taper roller bearing for durability
- Corrugated sheet for strength
- Heavy-duty axle for robust operations
- Optional hydraulic trailer brake



Single Axle	Double Axle Turn Table
JAI-1TT1 (1Ton) with Brake JAI-1TT1 (1Ton) without Brake JAI-1TT2 (2 Ton) JAI-1TT3 (3 Ton) JAI-1TT5 (5 Ton) JAI-1TT8 (8 Ton) 2W JAI-1TT8 (8 Ton) 4W JAI-1TT10 (10 Ton)	JAI- DATT5 (5 Ton) JAI-DATT10 (10 Ton)

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ROTARY SLASHER

JAI-Rotary Slasher is a robust implement designed for effectively slashing pasture topping, shrubs, and maintaining grasslands, road verges, and lawns. It offers a versatile method of grass cutting, allowing for efficient clearance of vegetation. With its adjustable cutting height, it can be tailored to different cutting requirements.

SALIENT FEATURES

- Sturdy construction for durability and reliability
- Suitable for slashing pasture topping and shrubs
- Ideal for maintaining grasslands, road verges, and lawns
- Versatile method of grass cutting
- Efficiently slashes and clears vegetation



Rotary Slasher Specification

Ft. : 3, 4, 5, 6



FLAIL MOWER

JAI-Flail Mower is a specialized implement designed for cutting heavier grass that normal mowers may struggle with. It is particularly well-suited for providing a rough cut to taller grass, especially in areas where loose debris may be present, such as roadsides. The Flail Mower features a rotating horizontal drum equipped with sharp and robust flails, which effectively cut and mulch the vegetation.

SALIENT FEATURES

- Heavy-duty robust structure for durability
- Easy attach & detach with a tractor for convenience
- Taper roller bearing for long-lasting performance
- Corrugated sheet for added strength
- Heavy-duty axle for robust operations
- Optional hydraulic trailer brake for enhanced control and safety



Flail Mower CF Y blade BL EX	Offset Flail Mower Y Blade	Flail Mower CF Hammer Blade BL EX	Offset Flail Mower Hammer Blade
80cm	WT FMO 80	80cm	WT FMO 80
93cm	WT FMO 93	93cm	WT FMO 93
106cm	WT FMO 106	106cm	WT FMO 106
132cm	WT FMO 132	132cm	WT FMO 132
158cm	WT FMO 158	158cm	WT FMO 158

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MULCHER

JAI-Mulcher is a durable and simple agricultural machine or tool that is connected to a tractor to cut small plants, trees, and bushes in farm fields. It plays a crucial role in maintaining soil fertility. In India, mulchers efficiently connect with 50-90 hp tractors. They are particularly useful for removing or cutting crop residues.

SALIENT FEATURES

- Efficient and effective cutting operation
- Suitable for various harvesting tasks
- Particularly efficient for cane harvesting



Mulcher Specification

Ft. : 6, 7, 8



PNEUMATIC PLANTER

JAI - Pneumatic Planter is a coultter type pneumatic precision agriculture implement developed to increase productivity and ensure accurate seeding. This pneumatic planter is suitable for all types of seeds, thanks to the availability of numerous seed discs designed for different crop types.

SALIENT FEATURES

- Suitable for primary planting of corn and other seeds like Peas, Peanuts, Sunflower, Soybean, Grams, and Cotton Seeds.
- Maintains precise plant-to-plant spacing within a row for uniform seed placement.
Adjustable row to row distance easily 24", 26" 28"



Pneumatic Planter Specification

4 ROW



SQUARE BALER

JAI - Square Baler is a machine designed for compressing, cutting, and arranging crops into bales, making them convenient for handling, storage, and transportation. It is primarily used for making bales of hay.

SALIENT FEATURES

- Designed to collect and compress grass, hay, or straw into bales, facilitating easy handling and storage.
- Large feeder diameter and specially bent prongs ensure continuous and clean pick-up at high operation speeds.
- Adjustable bale length, allowing for customization within the range of 0.3 to 1.3 meters.



Square Baler Specification

JAISB-165 & JAISB-191



ROUND BALER



JAI - Round Baler is a machine that compresses and forms hay, straw, or other crops into cylinder-shaped "round" bales. The design features a "thatched roof" effect that allows the bales to withstand weather. The baler collects and rolls the crop using rubberized belts, rollers, or a combination of both.

SALIENT FEATURES

- Economical and fuel-efficient operation with 35-45 HP implement power, minimizing costs.
- High-quality construction and efficient performance, admired by farmers for reliability.
- Simplify farming tasks, enhancing productivity and saving time.
- Enables farmers to focus on high-yield strategies by of flooding agricultural activities.

Round Baler Specification

JAIRB-0.8, JAIRB-1.15-EW, JAIRB-1.2



HAY RAKE

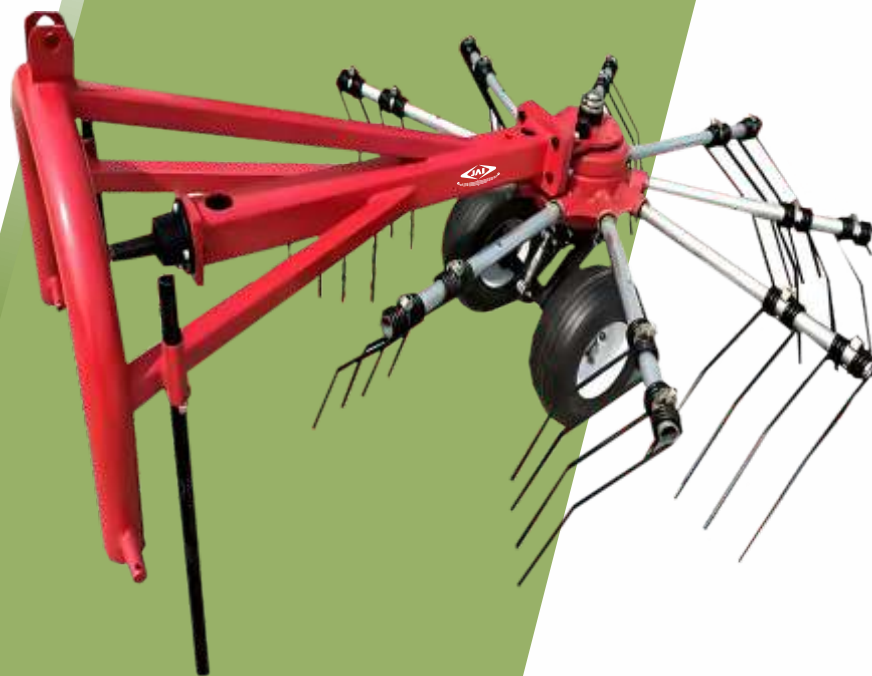
JAI - Hay Rake is an essential agricultural tool used for collecting cut hay or straw and arranging it into neat windrows for easier collection and subsequent processing. It serves multiple purposes, including buffing up the hay and turning it over to facilitate drying. Additionally, it is often used in the evening to protect the hay from the moisture of the morning dew.

SALIENT FEATURES

- **Collection:** Efficiently gathers cut hay or straw into neat windrows, making it easier for subsequent collection and baling.
- **Aeration:** By raking and turning the hay, it promotes airflow, helping to dry the hay evenly and prevent spoilage.

Hay Rake Specification

JAIRHR-360/2





DISC RIDGER

JAI - Disc Ridger used for crop preparation, Its designed to be mounted from the tractor's hydraulic lifting unit and universal three-point linkage system. It is used to create perfect ridges in the soil.

SALIENT FEATURES

- Robust Square pipe frame
- Easy to operate and attachable with 3-point linkage
- Easy width adjustment
- High-quality boron steel disc



Disc Ridger Specification

JAIDR-2, JAIDR-4,



POTATO PLANTER

JAI - Potato Planter is an automatic implement that is highly effective for precision zig zag plantation of potatoes. This planting machine ensures precise placement of potato seeds, resulting in high productivity in the shortest possible time.

SALIENT FEATURES

- Equipped with a DC motor for effective planting through vibration in the both belts.
- Features a heavy-duty height-adjustable axle for stability and adaptability in various field conditions.
- Designed with a rigid and concave-shaped mould board to ensure proper ridge formation, facilitating optimal potato growth.
- Depth adjustment as well as seed to seed distance adjust easily.



Potato Planter Specification

JAIPP-2 , JAIPP-4



MULTICROP PLANTER SEED DRILL



JAI - Multi Crop Planter Seed Drill is a highly efficient machine extensively used for sowing a wide variety of crops such as maize, wheat, peas, mustard, and more. It offers fast and precise seeding capabilities in agricultural land. Our Seed Drill Machine is designed for low maintenance and is easy to operate and handle.

SALIENT FEATURES

- Adjustable depth control wheels for precise seed placement.
- Ideal seed-to-seed spacing for optimum crop yield.
- Simple lever mechanism for adjusting seed and fertilizer rate.
- Superior quality furrow opener shovels for long-lasting performance.

Direct Rice Seeder	Maize Planter
JAIDSR-9, JAIDSR-11, JAIDSR-13, JAIDSR-15	3 ROW, 4 ROW, 5 ROW, 6 ROW

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