



Corn harvester

10 Management Systems

——Zhengzhou Lerford Machinery Equipment Co.,ltd.

Type



RXLF-188



RXLF-4YW2B



4YZ-4W





Different Types:

Self-propelled Corn Harvester:

Features: It has its own power system and cab, boasts a complex structure, powerful functions, and extremely high efficiency.

Advantages: It offers excellent maneuverability, high operating efficiency, and adaptability, making it particularly suitable for harvesting in large, contiguous plains.

Disadvantages: It is expensive, requires a high investment, and has a limited annual operating period (only during the harvest season).

Suitable for: Large farms, cooperatives, and professional harvesting service teams.



Different Types:



Mounted (or Trailed) Corn Harvester:

Features: It lacks its own power and must be mounted or towed behind a tractor, drawing power from the tractor.

Advantages: It's relatively affordable, requires minimal investment, and can utilize existing tractors, making it highly cost-effective.

Disadvantages: Its operating efficiency is lower than that of self-propelled harvesters, its maneuverability is slightly inferior, and it requires a high tractor horsepower.

Suitable for: Small and medium-sized farms and individual farmers.



Application:



The working principle of the corn harvester:

This series of machines completes multiple processes such as picking ears, peeling, threshing, collecting boxes, and straw processing for corn plants, integrating traditional multi-step manual operations into an efficient mechanized process.

Corn Harvester Features:

1. Compact and adaptable, it is widely used in hilly and mountainous areas, where large corn harvesters cannot reach.
2. Comprehensive functions, including harvesting ears, packing, shredding, and returning straw to the field, are nearly identical to those of large corn harvesters.
3. Easy installation and disassembly, enabling multiple uses.
4. Flexible operation, adjustable stubble height, and a small turning radius.



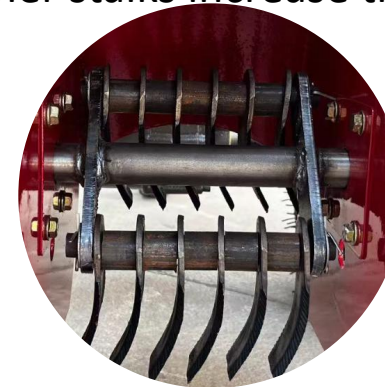
The different of the walking tractor

Specifications	RXLF-188	RXLF-4YW2B	4YZ-4W
Power:	≥10HP Tractor (188/192/195)	≥20-35HP Tractor	100-150HP
Stubble height (cm):	3-8 (adjustment)	3-8(adjustment)	3-8(adjustment)
Capacity(Mu/h):	1-2	3-5	8-12
Harvested rows (Line):	1	2-3 (customize)	4
Size(mm):	1350*1100*1400mm	4500*1360*2650mm	6000*2800*2700mm
Weight(kg):	400	1500	6020
Price (usd):	\$980	\$3980	\$8500



RXLF188

This machine can harvest a row of corn ears and crush the corn stalks at once. It features a full collecting bucket that can be filled with bags, an adjustable stubble height, a clutch mechanism, and a small turning radius for ease of operation. It can harvest one to two acres of corn per hour, crushing the stalks directly without husking them. Harvesting is possible at ears above 60 cm in height, and higher stalks increase the chance of a bare corn stalk.



Thickened manganese steel blade



Widened mountain bike tires



Details:

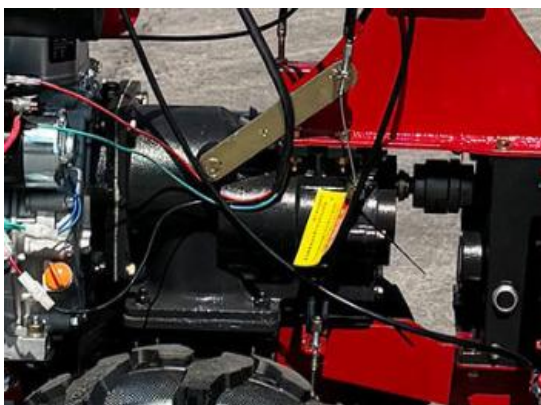


Upgraded puller wheel

Closer plant spacing separates stalks and prevents entanglement.

Lever operation

Multiple gear selections, strong adaptability.



Built-in differential

Automatic driving, easy cornering, and on-the-spot U-turns.

Adjustable stubble height

Choose the right height for easier harvesting.



Details:



Control handle

Easy to control the machine, suitable for a wide range of people.

High and low speed travel

The machine travel speed can be adjusted to improve work efficiency.



Larger and deeper hopper

Load more without frequent loading and unloading.

Protective leather pad

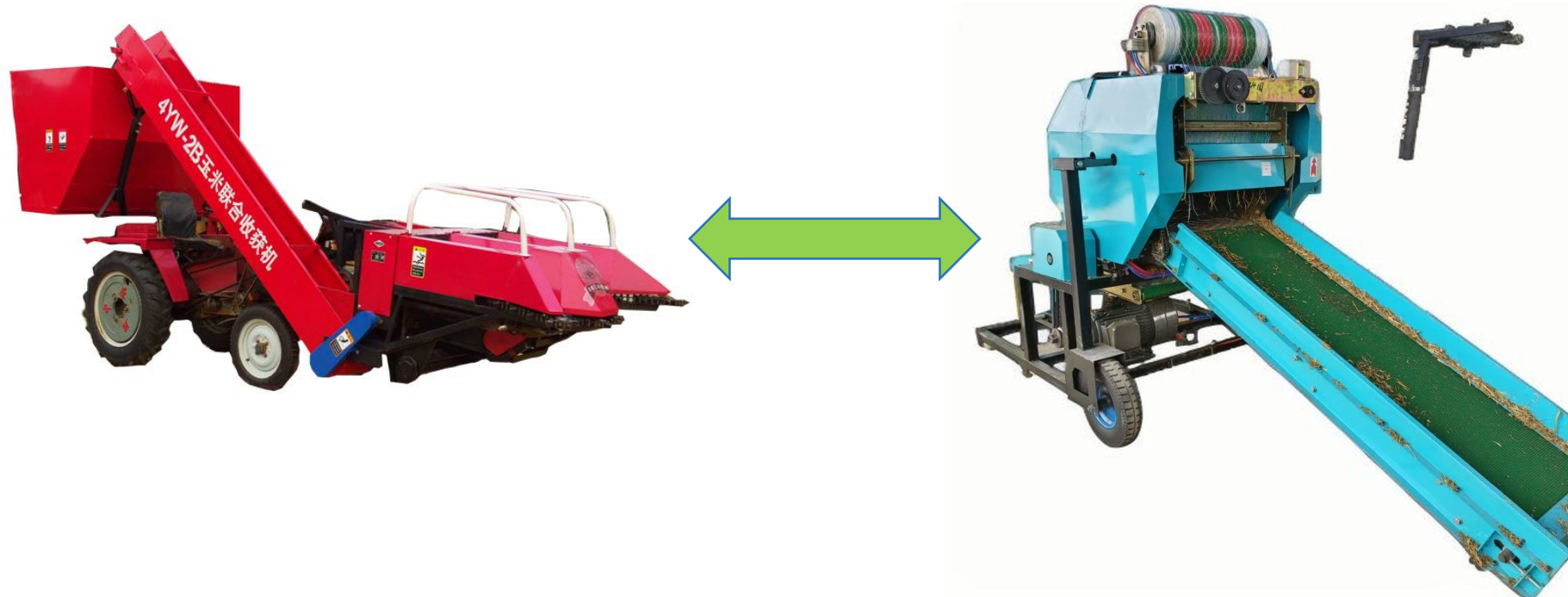
Reduces corn kernel drop and protects corn from bumps and dents.



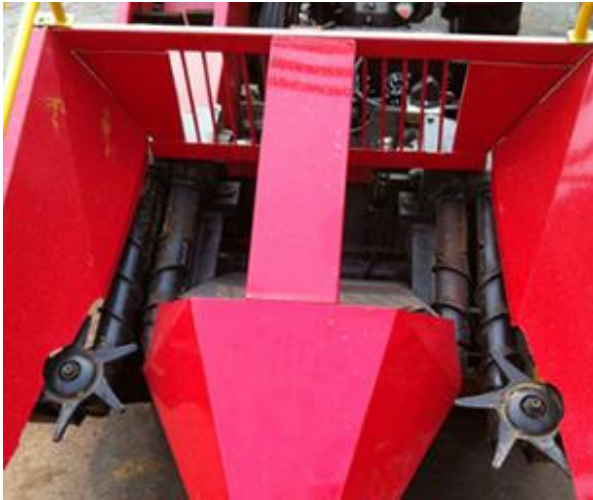
RXLF-4YW2B:

Working Principle of the 4YW-2A Corn Harvester:

The 4YW-2A corn harvester primarily consists of an ear picking mechanism, a conveyor system, a storage device, and a hydraulic lift. During operation, the harvester advances along the corn ridge, simultaneously picking the ears with a cutter blade, shredding the corn stalks and returning them to the field. The ears are then transported via the conveyor system to the feed bin, completing the harvesting process. To disconnect the power, the driver operates the tractor's hydraulic lift system. Once the main engine is raised to its desired position, the two B-type V-belts stop rotating, cutting off the diesel engine's power input. This disconnects the power, and the cutter blade and conveyor belt stop rotating, while the other way around, they remain in a rotating state.



Details:



Header

Integrated installation, simple design
No corn leakage, low failure rate.

Conveyor Belt

Reinforced metal components ensure more stable
and durable conveying.



Storage Bin

Using a hydraulic cylinder to dump
the silo, the larger silo and
automatic dumping save effort.

4YZ-4W:

This machine is a specialized agricultural machine designed to complete multiple tasks in one go, including picking, peeling, collecting, and processing corn stalks. It significantly improves corn harvesting efficiency and reduces labor intensity, making it an essential piece of equipment for modern agriculture.



Details:

- 01** Using the straw crushing and returning device, corn stalks can be completely crushed and returned to the field, more environmental.



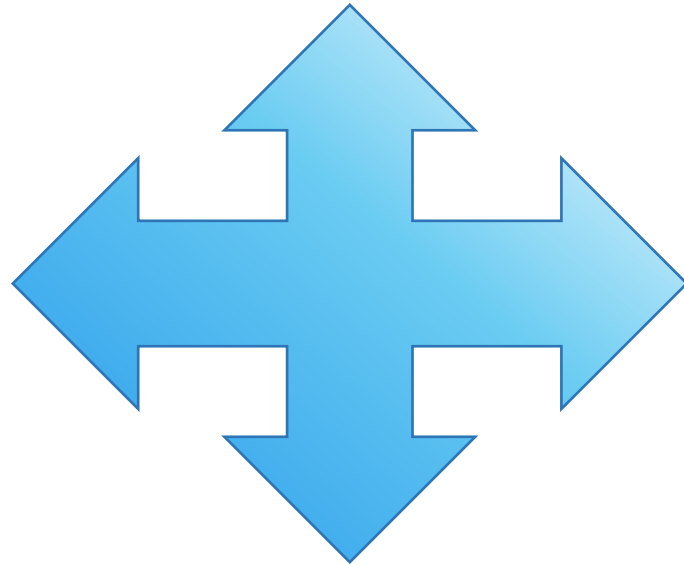
- 03** Short machine body, short front and back wheels distance, small turning radius, easy and fast to turn around in field, high harvesting efficiency.



- 02** The header's reel chain adopts forced feeding way, can harvest the corn not in rows, also can horizontally harvest.



- 04** Sealed cab, lower noise, wider horizon, make the driver feel more comfortable.



Usage and Maintenance Precautions:

- ◆ Pre-operation Inspection: Carefully check the tightness of all components, lubricant levels, and drive belt tension.
- ◆ Timely Harvest: Harvest when the corn kernels have an appropriate moisture content (usually 25%-35%) to minimize losses.
- ◆ Adjusting Machine Parameters: Adjust the gap between the ear picking rollers and the pressure of the hulling rollers based on the actual crop conditions (such as lodging and plant density) to optimize operation results.
- ◆ Regular Maintenance: Clean the machine after each shift, replace lubricants and lubricate bearings at the prescribed intervals, and inspect wear parts for signs of wear.



**THANK YOU
FOR WATCHING**

——Zhengzhou Lerford Machinery Equipment Co.,Ltd.

2025/6/12

