

LOTUS

HYDRAULIC REVERSIBLE PLOW

PRODUCT BROCHURE





ABOUT US

Hebei Lotus Global Agricultural Machinery Co., Ltd. was founded in 1991 and is headquartered in the Gexinzhuang Industrial Zone, Renqiu City, Cangzhou, Hebei Province. From its inception, the company has focused on the agricultural machinery manufacturing sector, channeling resources and efforts into the full-chain development, production, and sales of hydraulic reversible plows, supplemented by comprehensive parts services covering the entire product range. This has established an integrated operational model of "R&D-Production-Sales-Service".

Hebei Lotus Global Agricultural Machinery Co., Ltd. was established in 1991 and is headquartered in the Gexinzhuang Industrial Zone, Renqiu City, Cangzhou, Hebei Province, China. This region serves as a vital agricultural equipment manufacturing cluster in northern China, boasting mature supply chain support and industrial clustering advantages. From the outset, the company has adopted a "focus strategy": for over three decades, it has consistently dedicated itself to the full-chain R&D, manufacturing, and global sales of hydraulic reversible plows, complemented by standardized parts and services covering its entire product series. It pioneered a domestically integrated "R&D-Production-Sales-Service" quad-dimensional operational model. This vertical integration capability not only ensures efficient technological iteration but also achieves industry-leading levels of product consistency and reliability through end-to-end quality control.



COMPANY PROFILE

Farming Efficiency: Fuel Economy Determines Profitability

Industry Challenge: Fuel costs account for over 40% of total cultivation expenses.

Our Advantage: Based on field tests under identical conditions (2204 tractor, 4 plow-share width):

Our plow covers an average of 500 mu/24H, exceeding the industry average of 440 mu/24H.

Our fuel consumption is 0.28L/mu, lower than the industry average of 0.38L/mu.

Result: One tank of fuel cultivates an extra 30 mu, translating to annual fuel savings of ¥52,000 (based on 2,000 mu/year cultivation).



Durability: Forged with Military-Grade Materials

Industry Challenge: Common plowshares require replacement after just three years of use.

Our Solution:

Core Materials—— Plow share: S960 steel (Hardness: HRC 62)

Plow Standard: High-manganese steel, integral casting (Impact resistance increased by 50%)

Warranty Commitment—— Key components (plow share & plow frame) covered by 2-year unlimited-acreage warranty

Industry standard typically offers only 1-year or 15,000-acre limited warranty



Adaptability: Conquering All Extreme Soil Conditions

Nationwide Validation in China: Proven Across All Soil Types

Technical Confidence Behind Adaptability:

National Certification: The only reversible plow certified by the Ministry of Agriculture and Rural Affairs for full-region soil adaptability. (Report No. NJ2024-008).

Customized Service: One-stop solution from soil sampling analysis → personalized plow configuration.



PRODUCT INTRODUCTION



Single Lead Screw

It has a simple structure and low maintenance costs, making it suitable for medium to low-power lightweight plows.



Dual Lead Screw

High rigidity, good stress distribution, precise and stable adjustment, suitable for medium to large, heavy duty hydraulic reversible plows, precision operation.



Side-shift

Allows quick lateral movement over a large range, adaptable to different wheel tracks. greatly improving operational convenience and safety.



Steel Moldboard

Low traction resistance, suitable for clay loam with moderate humidity.



Plastic Moldboard

Non-stick, lightweight, wear and corrosion resistant, suitable for heavy clay soil.

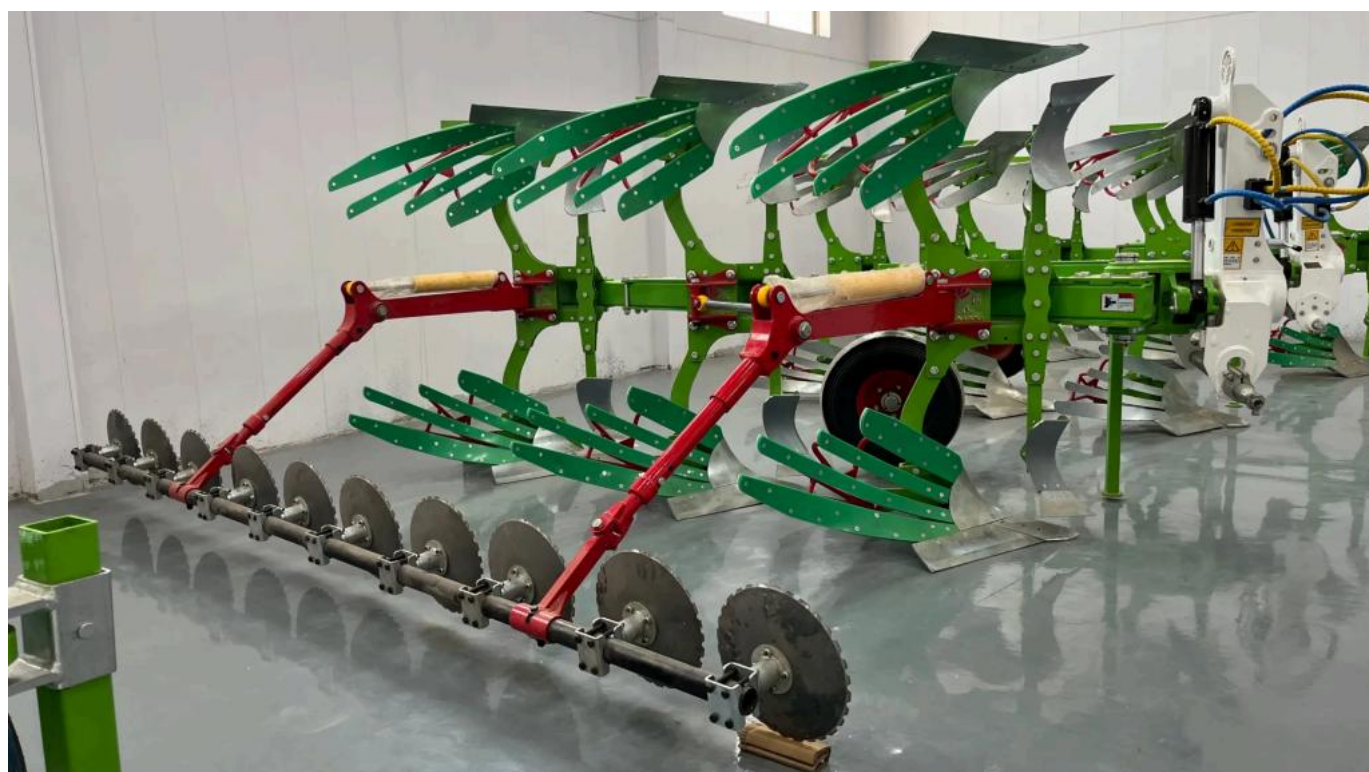


Mirror Moldboard

Tight coverage, sturdy structure, low cost, suitable for conventional dry fields and sandy loam.

PRODUCT INTRODUCTION

Single Lead Screw Hydraulic Reversible Plow



1LYFT-360 Type Single Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-360
NO. OF BOTTOMS	3
WORKING WIDTH PER BOTTOM	350-600mm
MACHINE WORKING WIDTH	1050-1800mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	4026*2325*1872mm
WEIGHT	1200kg
POWER REQUIRED	160-200HP

PRODUCT INTRODUCTION

Single Lead Screw Hydraulic Reversible Plow



1LYFT-340 Type Single Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-340
NO. OF BOTTOMS	3
WORKING WIDTH PER BOTTOM	300-450mm
MACHINE WORKING WIDTH	900-1350mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	3855*2475*1878mm
WEIGHT	1070kg
POWER REQUIRED	120-150HP

PRODUCT INTRODUCTION

Single Lead Screw Hydraulic Reversible Plow



1LYFT-440 Type Single Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-440
NO. OF BOTTOMS	4
WORKING WIDTH PER BOTTOM	300-450mm
MACHINE WORKING WIDTH	1200-1800mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	4300*2475*1878mm
WEIGHT	1270kg
POWER REQUIRED	160-200HP

PRODUCT INTRODUCTION

Single Lead Screw Hydraulic Reversible Plow



1LYFT-450 Type Single Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-450
NO. OF BOTTOMS	4
WORKING WIDTH PER BOTTOM	350-600mm
MACHINE WORKING WIDTH	1400-2400mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	4635*2475*1878mm
WEIGHT	1600kg
POWER REQUIRED	200-240HP

PRODUCT INTRODUCTION

Dual Lead Screw Hydraulic Reversible Plow



1LYFT-450 Type Dual Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-450
NO. OF BOTTOMS	4
WORKING WIDTH PER BOTTOM	450-600mm
MACHINE WORKING WIDTH	1800-2400mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	4635*2475*1878mm
WEIGHT	1600kg
POWER REQUIRED	200-240HP

PRODUCT INTRODUCTION

Dual Lead Screw Hydraulic Reversible Plow



1LYFT-550 Type Dual Lead Screw Hydraulic Reversible Plow

CODE NO.	1LYFT-550
NO. OF BOTTOMS	5
WORKING WIDTH PER BOTTOM	450-600mm
MACHINE WORKING WIDTH	2250-3000mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	5900*2850*1870mm
WEIGHT	1900kg
POWER REQUIRED	240-300HP

PRODUCT INTRODUCTION

Side-shift Lead Screw Hydraulic Reversible Plow



1LYFT-450 Type Side-shift Hydraulic Reversible Plow

CODE NO.	1LYFT-450
NO. OF BOTTOMS	4
WORKING WIDTH PER BOTTOM	450-600mm
MACHINE WORKING WIDTH	1800-2400mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	4955*2475*1878mm
WEIGHT	1800kg
POWER REQUIRED	200-240HP

PRODUCT INTRODUCTION

Side-shift Lead Screw Hydraulic Reversible Plow



1LYFT-550 Type Side-shift Hydraulic Reversible Plow

CODE NO.	1LYFT-550
NO. OF BOTTOMS	5
WORKING WIDTH PER BOTTOM	450-600mm
MACHINE WORKING WIDTH	2250-3000mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	6100*2850*1870mm
WEIGHT	2100kg
POWER REQUIRED	240-310HP

PRODUCT INTRODUCTION

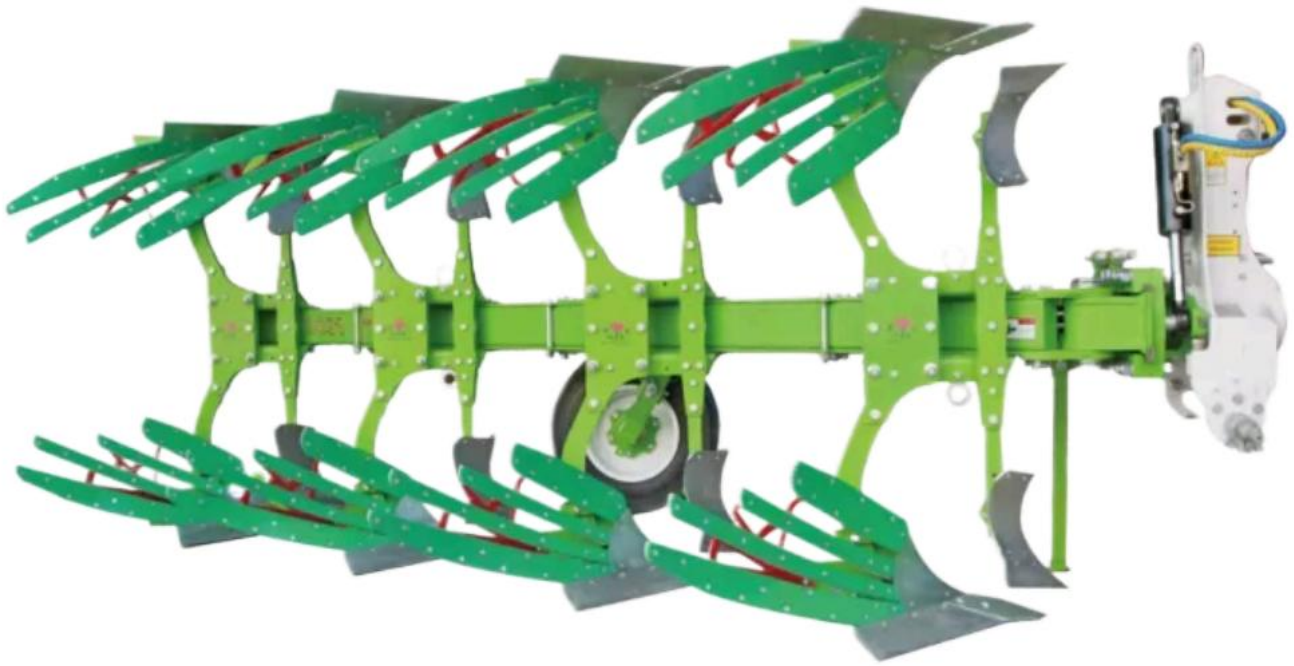
Side-shift Lead Screw Hydraulic Reversible Plow



1LYFT-650 Type Side-shift Hydraulic Reversible Plow

CODE NO.	1LYFT-650
NO. OF BOTTOMS	6
WORKING WIDTH PER BOTTOM	450-500mm
MACHINE WORKING WIDTH	2700-3600mm
WORKING DEPTH	200-300mm
EXTERIOR DIMENSIONS	6900*3770*1870mm
WEIGHT	2700kg
POWER REQUIRED	310-400HP

ADVANTAGES & HIGHLIGHTS



Double Ultra-light

Light weight, light traction resistance, allowing for greater flexibility and ease during field operation, while effectively reducing fuel costs.



Adjustable Width Splint

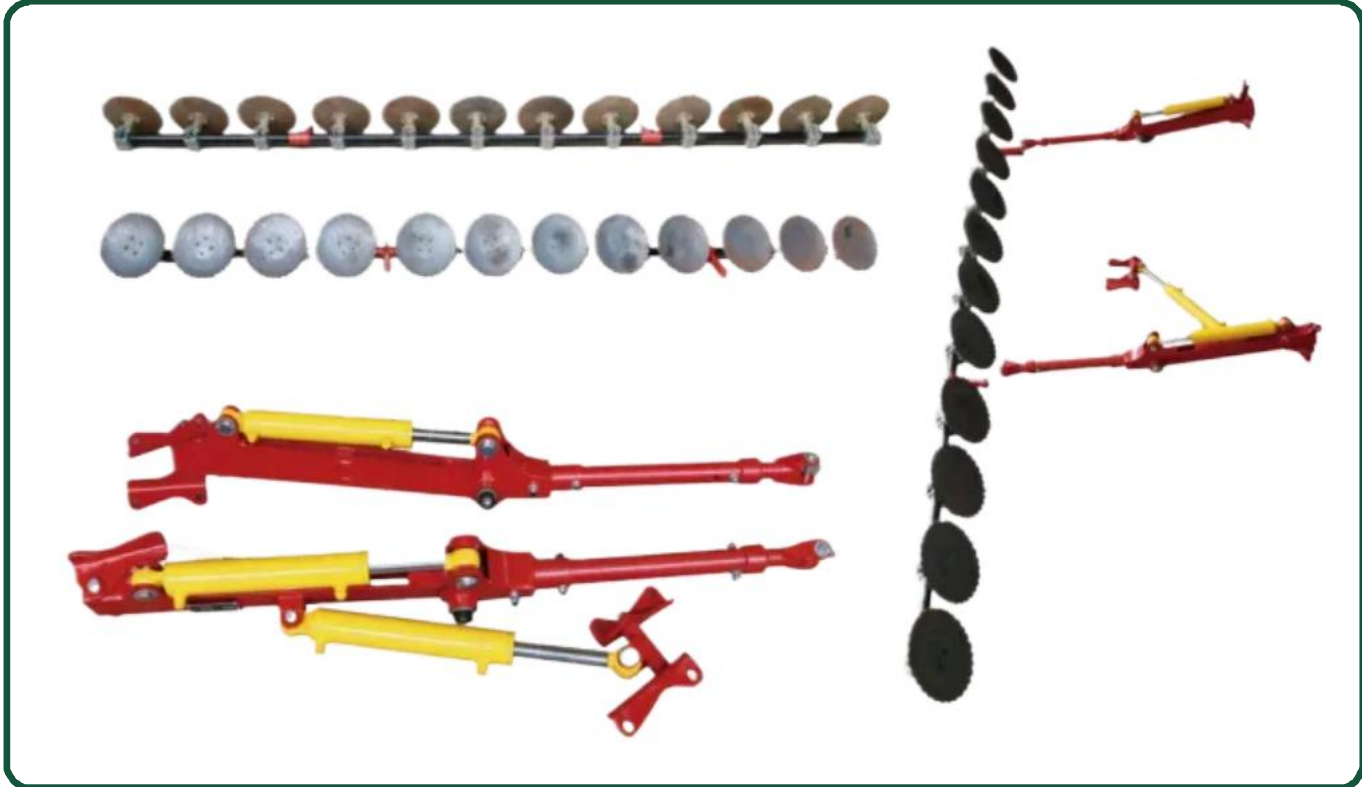
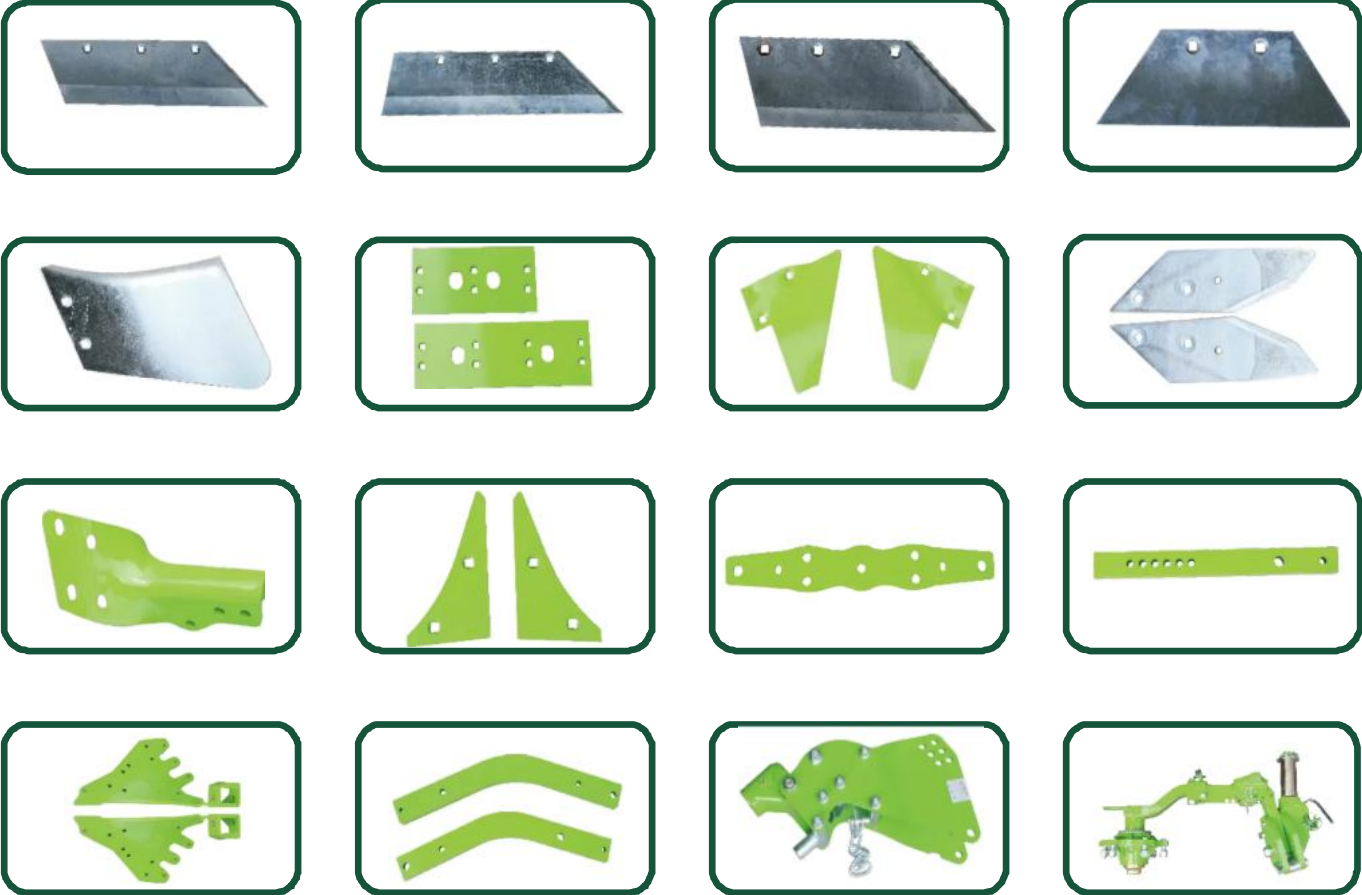
It efficiently handles diverse working conditions and adapts to varying field plots and agronomic requirements.



Anti-clogging Bracket

Prevents entanglement of straw, weeds, stubble, etc., avoids frequent shutdowns, reduces cleaning time, reduces wear, and prevents structural damage.

ACCESSORIES & FURROW CLOSERS





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