Laser Land Leveling Machine

This laser land leveling machine is designed for precision land grading in agricultural applications. The machine incorporates a hydraulically controlled blade guided by a laser leveling system to ensure accurate and consistent land leveling, improving irrigation efficiency and crop yields.

ADDITIONAL IMAGES

Overview

Precision Laser Land Leveling

This laser land leveling machine is engineered for high-precision agricultural grading, essential for optimizing irrigation efficiency and maximizing crop yields. Utilizing an advanced imported laser system, it provides consistent and accurate soil leveling across varied terrain. The robust, tractor-towed design features adjustable working widths and hydraulic blade control to ensure reliable performance in diverse soil conditions.

Performance Metrics

Key Performance Metrics

2.3 k/h	15 km/h	240 mm
Max Efficiency	Max Speed	Max Digging Depth

Technical Specifications

Working Parameters

Parameter	Value
Working Width	2500/3000/3500 mm (Adjustable)
Required Power	88-120 KW
Working Stroke	500 mm
Working Inclination	10±2°

Laser System

Laser Control System

- Emitter/Receiver Model: LS526/LS709
- Imported Laser Technology
- Controller Voltage: 11-30V DC
- Automatic Leveling Angle: ±5°
- Signal Reception Angle: 360°

Hydraulics and Mechanical

Hydraulic System

- Blade Lift Speed: e50 mm/s (Up)
- Blade Lower Speed: e60 mm/s (Down)
- Cylinder Settlement: d12 mm/h
- Hydraulic Pressure: 16±0.5 MPa

Physical Characteristics

Dimensions and Weight

Dimension	Value
Length	3000 mm
Width	2550/3050/3550 mm (Adjustable)
Height	3650 mm (Adjustable)
Total Weight	1500 kg

Environment

Operating Conditions	Temperature 5-40°C, Towed Configuration