



Shi SLOPEHELPER Drum Mulcher

Branches and grass mulching in passages by cutting-edge hammer flails

A drum mulcher is a specialized tool designed for processing pruned branches and vegetation in plantation passages. It effectively reduces wood debris into fine mulch, promoting faster decomposition and a cleaner plantation environment. Additionally, it excels at mulching dense, tall, and tough grass, ensuring a well-maintained and aerated plantation floor.

100% Autonomous | **100% Electric**

Features & Benefits

Frontal-Hinged Design for Superior Mulching Efficiency

This innovative attachment ensures optimal mulching performance by preventing branches from being pressed into the soil—unlike rear-mounted drum mulchers on conventional tractors. By keeping branches in the ideal position, it minimizes the risk of fungal growth and promotes a cleaner, healthier plantation environment.

Advanced Protective Amortization with Emergency Stop

Equipped with a specialized amortization system, this mulcher absorbs vibrations and impacts, ensuring smooth operation while protecting both the instrument and the base platform. Integrated collision detection sensors provide an extra layer of safety, instantly stopping operation upon detecting obstacles to prevent damage and enhance durability.

Adaptive Surface-Following Suspension for Precision Mulching

Engineered for seamless terrain adaptation, the specialized suspension system allows the drum to precisely follow surface contours, ensuring uniform mulching quality while minimizing instrument wear and damage.

Customizable Cutting Heights for Maximum Versatility

The cutting edge height of the hammers can be effortlessly adjusted from the instrument's menu, providing flexibility for diverse operational needs. For ultra-low cutting applications, an optional wheel installation enhances performance, ensuring optimal results across all plantation conditions.

Electrically Driven for Precision and Efficiency

Powered by an advanced electric motor, this attachment ensures consistent performance with stable RPM (revolution per minute), delivering a precise and uniform mulching process. Unlike hydraulic or mechanical alternatives, it provides superior mulching quality, minimizing unprocessed debris and enhancing overall plantation maintenance.





Multi-Sectional Design for Maximum Stability and Performance

Featuring a segmented shaft with independent, internally separated sections, this innovative structure optimizes branch processing while eliminating balance issues found in traditional designs. The unique engineering allows for quick, on-the-spot hammer replacement without the need for shaft or hammer rebalancing, significantly reducing downtime and maintenance efforts.



Heavy-Duty Flail Hammers for Unmatched Durability

Built to withstand tough conditions, these rugged flail hammers resist impacts from soil clumps, embedded debris, and thick branches without compromising performance. Their widespread availability ensures easy maintenance, quick replacements, and cost-effective operation for uninterrupted mulching.



Back Roller for Enhanced Soil Integration

Equipped with a specialized back roller, the mulcher presses mulched grass and branches into the soil, creating a compact and uniform soil layer. This feature improves decomposition, enhances soil coverage, and promotes a cleaner, healthier plantation environment.

Technical Specifications

DIMENSIONS

VALUE

Height

Length

Width

Weight

WORKING DIMENSIONS

VALUE

Working width

Maximum cutting diameter

Cutting height

Speed of rotation

Sound power level

Operation area

Operation speed



Technical Specifications

GENERAL SPECIFICATIONS

VALUE

Compatibility

Drive method

Number of belts

Motor

DRUM SPECIFICATIONS

VALUE

Drum speed

Type of blades

Number of blades

