



INNOVATIVE SOLUTION FOR SUSTAINABLE DATE PALM BRANCH PROCESSING

DATE PALM LEAF STRIPPING MACHINE FOR INDUSTRIAL FIBER PRODUCTION

The Date Palm Leaf Stripping machine by palmcro is a revolutionary solution designed to optimize the processing of date palm branches, aligning with the sustainability vision shared with Desert Board. This innovative machine efficiently separates the leaves from the palm ribs, yielding two valuable products: leafless palm ribs rich in lignin, usable in various industries such as chipboard or pellet production, and shredded palm leaves, which serve as valuable raw material for livestock feed or other products.

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Palmcro's Cutting-Edge Date Palm Leaf Stripping Machine

SOLVES KEY PROBLEMS:

Palm Leaf Waste

Processes leaves into useful products.

High Labor Costs

Automates the leaf stripping process.

Underutilization of Resources

Increases the utilization of palm leaves.

HIGHLIGHTS

- **Optimizes Processing:**
Efficiently separates leaves from palm ribs, producing valuable byproducts.
- **High Capacity**
Processes 5.3 tons of date palm branches per hour.
- **Cost-Efficient**
Reduces manual labor and operational costs.
- **Increases Productivity:**
Significantly boosts processing speed and efficiency.
- **Enhanced Safety**
Reduces physical strain and injury risk for workers.
- **Sustainable**
Converts waste into useful products, promoting environmental conservation.
- **Versatile Applications:**
Produces materials for various industries, including chipboard, pellets, and livestock feed.

MARKET POTENTIAL

High Demand

Especially in countries with large numbers of date palms

Potential Clients

Farms, processing companies, and governments in major date-producing countries.

TECHNICAL SPECIFICATIONS

Dimensions: 2672 mm (height) x 1802 mm (length) x 2048 mm (width)

Weight: 3306 kg

Power Consumption: 13.5 kW/h

Machine Speed: 4.5 m/s

Processing Capacity: 5.3 tons of date palm branches per hour