ROBOTIC FEED PUSHER

UHAND



Web:www.qdyhxm.com E-Mail:info@qdyhxm.com

ADD:100 Meters East of Jing 8th Rd., South of Wei 13th Rd., Jiangshan Town, Laixi City, Qingdao, Shandong Province, China

UHAND AGRITECH CO.,LTD.

TL-500R

ROBOTIC FEED PUSHER

Laser-Vision Navigation









CATEGORY	ITEM
Product Specifications	Overall Dimensions: 1450mm × 1210mm × 1110mm
	Machine Weight: 450 kg
	Maximum Feed Pushing Speed: ≥120 m/min
	Maximum Climbing Angle: ≤15°
	Operating Temperature: -30℃ to 60℃
	Operating Time Under Load: ≥10 h
	Standby Time: ≥1 Week
	Navigation System: LiDAR + Vision + IMU + RTK
	Chassis Drive: Four-Wheel Drive with Dual Motors
	Obstacle Avoidance: LiDAR + Vision
	Feed Pushing Method: Push Plate Type
	Protection Rating: Machine IP56, Controller IP65
	Path Planning: Automatic Planning Based on Global Route
	Operation Modes: Scheduled Automatic Feeding Push / Manual Start / Remote Start
	Battery Specification: ≥51.2V 67Ah
	Charging Method: Automatic Wireless Fast Charging
	Charging Time: Approx. 3.7 h (0–100%)
	Custom Route Setting: Supported
Key Features	Automatic Feed Pushing Distance Adjustment
	Optional Roller Door Control
	Video Playback & Remote Live Video Monitoring
	Remote Mobile Control Supported
	Overseas Network Connectivity (Optional)
	WiFi Connection Supported (Optional)
	Forage Recognition, Feed Intake Feedback & Residual Feed Monitoring
	Remote Equipment Safety Monitoring
	Rapid Deployment
	Automatic Push Plate Adjustment: Lowers Inside Barns, Raises Outside Barns, and
	Adjusts Opening Angle According to Feed Conditions
	Traffic Light Control: Red/Green Lights Installed at Barn Entrance for Coordination with Feed Mixer Wagons
Safety Features	Offline Alert
	Fault Alarm
	Lighting & Operation Indicator Lights
	Rear Safety Touch Sensor
	Low Battery Alert
	SMS & Phone Notifications
	Obstacle Avoidance (Pedestrians, Electric Vehicles, etc.)
Cloud Platform	Vehicle Status Monitoring
	Feed Pushing Task Completion Status
	Real-Time Battery Level, Mileage & Operating Time
	Real-Time Vehicle Video
	Alarm Notifications
	Task Records: Pushing Time, Route & Power Consumption
Notes	Fault Detection & Sensor Error Alerts
	Work Indicator Light
	Turn Signal & Brake Light Indicators
	Voice Alerts for Reverse Operation, Working Status & Safety Warnings
Value-Added Services	24-Hour Remote Monitoring