

PRODUCT CATALOG



FARM MASTER



General-purpose agricultural equipment that uses robotic arms to harvest fruits and vegetables (apples, peppers, strawberries, tomatoes, etc.) and diagnose diseases, control, etc

Features

- Indoor and Outdoor Driving Mode
- Self-Driving
- AI Deep-learning Vision Analysis and Automatic Recognition /Harvesting

SPECIFICATION TABLE

Item	Specification
Overall Dimensions	720 * 1490 * 1650 mm
Mobility Dimensions	720 * 1490 * 1060 mm
Drive System	4WD Servo Drive
Drive Motor	AC Servo Motor
Steering	4-Wheel Skid Steering
Driving Mode	Autonomous / Manual
Robot Payload	3 kg
Maximum Payload (kg)	100
Maximum Travel Speed (km/h)	2.5 km/h
Others	RTK - GPS ; Route setting

MOBILITU

It serves as a body and driving part as a part of general-purpose agricultural equipment.



Features

- Four-wheel independent drive with in - place rotation (skid steering)
- Supports professional steering → ensures stability during straight driving
- Maintains stability on rough terrain
- Maximum payload : 100 kg, Maximum driving speed : 1.5 m / s

01

SPECIFICATION TABLE

Item	Specifications
Dimension (W * D * H)	720 * 1490 * 1060 mm
Maximum Travel Speed (km/h)	2.5 km/h
Payload	100 Kg
Others	RTK - GPS ; Route setting

ROBOOT MANIPULATOR



As a key part of general-purpose agricultural equipment, free precision control is possible through multi-joint structures.

Features

- Core device for performing harvesting tasks
- Multi-joint structure allows free and precise control
- Interchangeable end effectors for various tasks

02

SPECIFICATION TABLE

Item	Specifications
Model	ROBO 003
Payload	3 kg
Weight	20 kg
Power	1Φ 220 V 1.5 Kw
Environmental [Temperature (°C)]	0 ~ 40
Condition [Humidity (%)]	35 ~ 85 (No dew nor frost allowed)
Power Requirement (KVA)	1.5
Degree of Protection	Wrist IP 60 Base axis IP54

DEPTH CAMERA



Accurately recognize and detect harvest targets as part of general purpose agricultural equipment.

- Features
- Accurate detection of harvesting targets
 - Real - time video transmission and integration with control system

03

SPECIFICATION TABLE

Item	Specifications
Model	D435
Manufacturer	intel
Depth Technology	Active Stereo
Depth Range	0.3 - 3.0 m
Depth Resolution	1280 x 720
Field of View (H x V)	85.2° x 58°
RGB Camera	Yes
Tracking Module	No
Dimensions (L x W x H)	90 x 25 x 25 mm
Interface	USB 3.0 Type - C

GRIPPED



As a part of general-purpose agricultural equipment, the harvest target is accurately cut and gripped.

Features

- Cutting + dual gripping function
- Expandable for handling different crops

04

SPECIFICATION TABLE

Item	Specifications
Product	PGE-50-26-W-S
Manufacturer	DH-robotics
Gripping force (per jaw)	0.8 ~ 5 N
Stroke	26 mm
Recommended workpiece weight	0.1 kg
Opening / Closing time	0.3 s / 0.3 s
Repeat accuracy (position)	± 0.02 mm
Noise emission	< 50 db
Weight	0.4 kg
Driving method	Rack and pinion + Cross roller guide
Communication interface	Standard : Modbus RTU (RS 485) , Digital I / O Optional : TCP / IP , USB 2.0 , CAN 2.0A , PROFINET , Ether CAT
Rated voltage	24 V DC ± 10 %
Rated current	0.4 A
Peak current	0.7 A
IP class	IP 40
Recommended environment	0 ~ 40 °C under 85 % RH
Certification	CE , FCC , RoHS

GENERATOR

As a part of general-purpose agricultural equipment, it reduces the dependence of the equipment on external power sources, allowing it to operate for a long time.



Features

- Minimizes dependence on external power, enabling long operation time
- Provides stable power supply in field environments

SPECIFICATION TABLE

Item	Specifications
Product	KD3500iSE
Manufacturer	KOMANDO
AC Output Voltage	220 V
Frequency	60 Hz
Maximum Output Power	3500 W
Rated Output Power	3200 W
DC Output	12 V / 8.3 A
Dry Weight	23 kg
Fuel Type	Unleaded Gasoline
Engine Speed	4500 RPM
Fuel Tank Capacity / Engine Oil Capacity	3.7 L / 0.45 L
Starting System	Remote Start / Electric Start / Recoil Start
Noise Level	62 dB
Dimensions (L x W x H)	485 X 305 X 440 mm

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