

Revolutionizing Greenhouse Harvesting

Intelligent Tomato Harvesting Robot

PRE ORDER

NOW



Features

- Automatic Picking
- AI Vision Recognition
- Smart Cutting
- Storage System



TOP 3 Benefits for growers

70% Reduction in labor hours

50% Savings in harvesting costs

Up to 15% yield improvement

Automatic Picking

- Automatically recognize tomatoes
- Flexibly cut the tomato vines from various directions
- Run automatically on greenhouse track and harvest tomatoes on both sides
- Support vine / individual tomato harvesting



AI Vision Recognition

- Use 3D-AI technology to detect tomato ripeness, position, and surroundings
- With night vision for 24/7 operation
- Control tomato ripeness according to needs for consistent harvesting

Smart Cutting

- Independently decide the best cutting position and angle to achieve accurate cutting
- Only the stems are targeted without touching the tomatoes



Storage System

- Stored in the robot's own collection box
- Automatically piles and replaces the empty box after it is filled
- Store more tomatoes in one run and reduce manual loading and unloading times

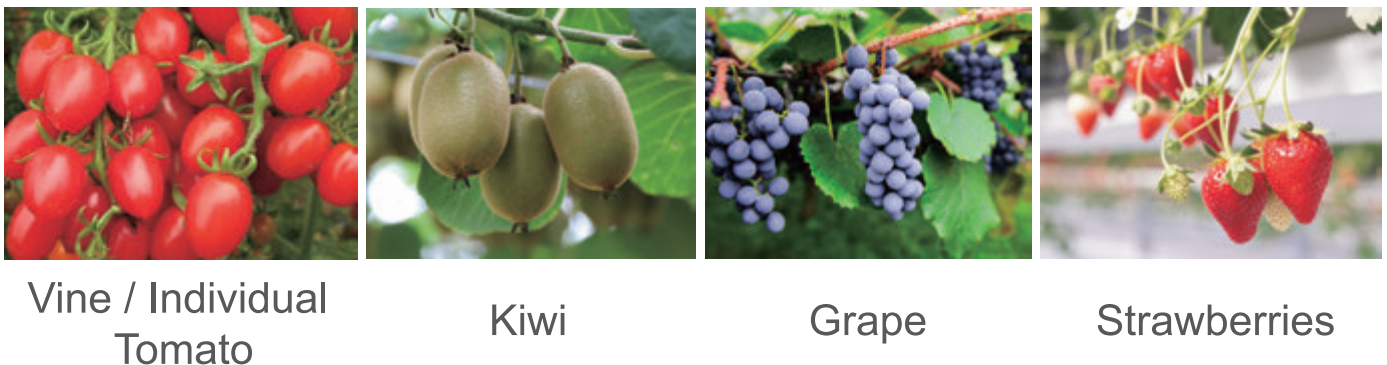
Development History

- 2018 ● Kiwi Harvesting Robot Published
- 2019 - 2021 ● Unmanned Transport Vehicle & Grape Harvesting Robot Published
- 2022 - 2024 ● Tomato Harvesting Robot Published

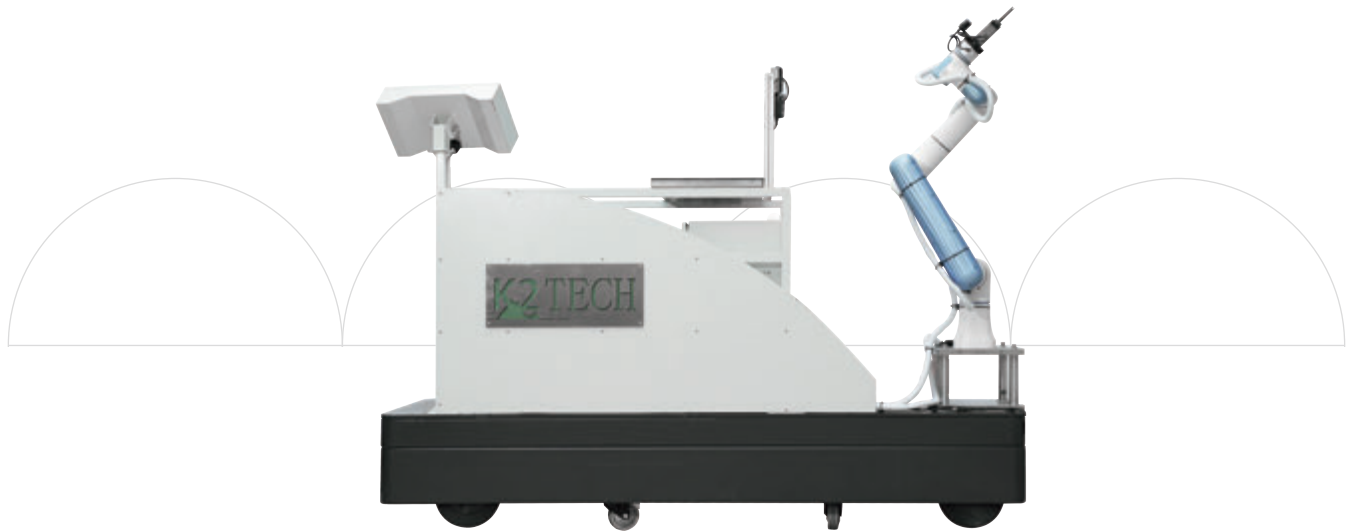
Other Robot Product



Usage Scenario



Specification



| | |
|------------------------|---------------------------|
| Fruit Varieties | Vine / Individual Tomato |
| Capacity | 200 Kg / Hour |
| Detection Accuracy | ≥ 98% |
| Execution Success Rate | ≥ 95% |
| Wastage | ≤ 1 % |
| Continuous Operation | ≥16 H |
| Size | 2800(L)*720(W)*1800(H) mm |
| Weight | 350 Kg |
| Loading Capacity | 150 Kg |
| Charging Input | 24V 15A |

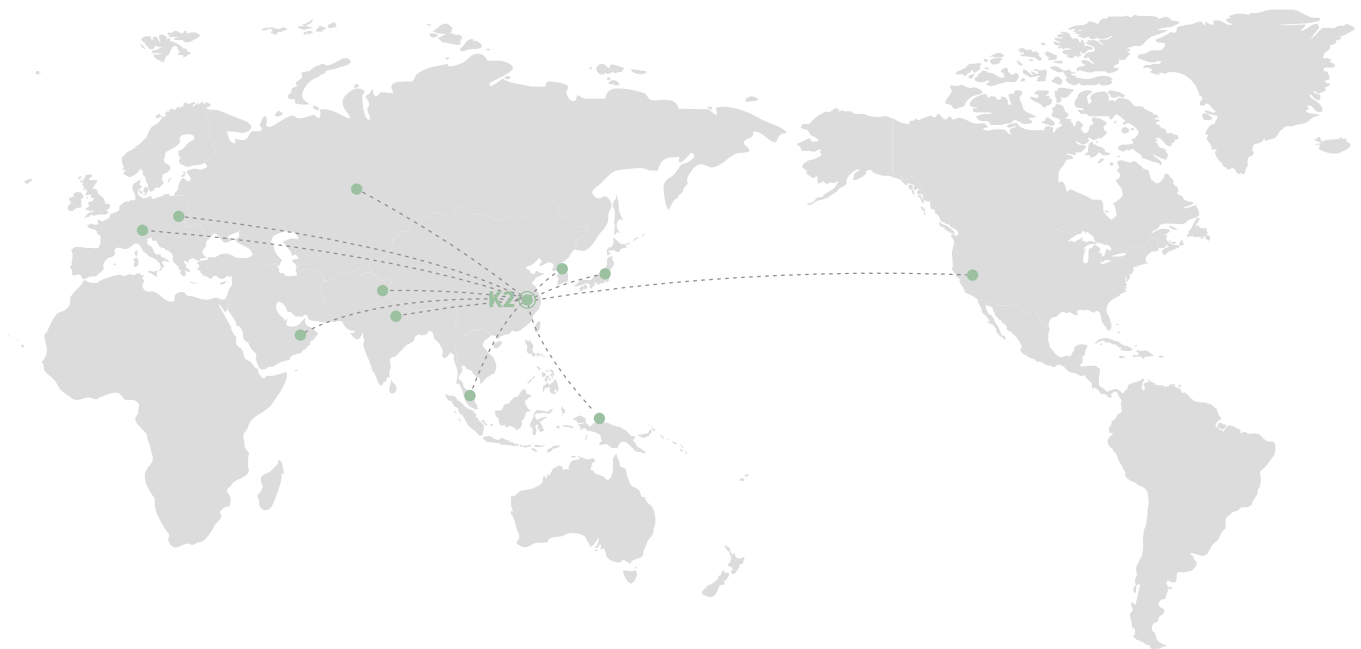


Support Harvesting Vine / Individual Tomatoes

- 1 Robot Arm
- 2 Global Camera
- 3 Hand Camera
- 4 Laser Sensor
- 5 Edge Sensor
- 6 Track Chassis
- 7 End Scissors
- 8 Collection Frame



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