BtF ELECTRIC WEEDER™

WORLD'S FIRST AI PRECISION ELECTRIC WEEDER

ElectricWeeder™ leverages advanced AI vision technology to identify weeds and crops in real time, using high-power electricity to kill weeds and to thin crops.
It works for conventional, organic, and no-till farming. Electric weeding reduces farming costs, increases crop yield, and improves soil health — with no need for manual labor, chemical herbicides, or mechanical soil disruption.

Economical Path to Organic Farming

One of the largest obstacles to organic farming is cost-effective weed control. A solution to weed management that doesn't require herbicides or an increase in manual labor provides farmers with a more realistic path to classifying their crops as organic.

AI-Powered Electric Weeder

World's first 3D AI detection model-based selective weeder that uses electrical weeding. Outperforms chemical weeding, laser weeding, and mechanical weeding.

Increased Crop Yield and Quality

Electric weeders leave the soil microbiology undisturbed, unlike tillage. The lack of herbicides and soil disruption paves the way for a regenerative approach, which leads to healthy crops and higher yields.

Regenerative Farming Practices

Traditional chemicals or mechanical methods used by farmers, such as herbicides and cultivation, deteriorate soil health and are tied to health problems in humans and other animals. A no-till, autonomous, non-chemical weed management solution reduces or eliminates farmers' need for herbicides.

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Kills Weeds At All Growth Stages

Destroys weeds at every stage of growth — from tiny seedlings to mature, 5-foot-tall weeds — providing a long window of opportunity for weed control. Cleans up weeds without the need for repeated treatments.

Kills All Species of Weeds Effectively

Kills all species of weeds effectively: Effectively eliminates weeds of all species through electric weeding, including difficult-to-control varieties such as Canada thistle, bindweed, and redroot pigweed. It is impossible for weeds to develop resistance to electric weeding.
Particularly effective against grassy weeds, e.g., yellow nutsedge.

Does Not Need Soil Preparations

Unlike mechanical weeders, the Electricweeder operates above the soil surface and does not penetrate the ground, preserving soil structure and microbial activity. Does not require soil preparation.

Weeding on Plastic Mulch

Electricweeder's delivers precise weed control for crops grown on mulch, such as strawberries, without damaging the mulch. Making it an ideal solution for managing stubborn weeds that penetrate through mulch films, ex. yellow nutsedge.

Works With Both High and Low-density Crops

Electricweeder's precision weeding system allows it to work with both high-density and low-density crops such as lettuce, peppers, strawberry, carrots, onions.

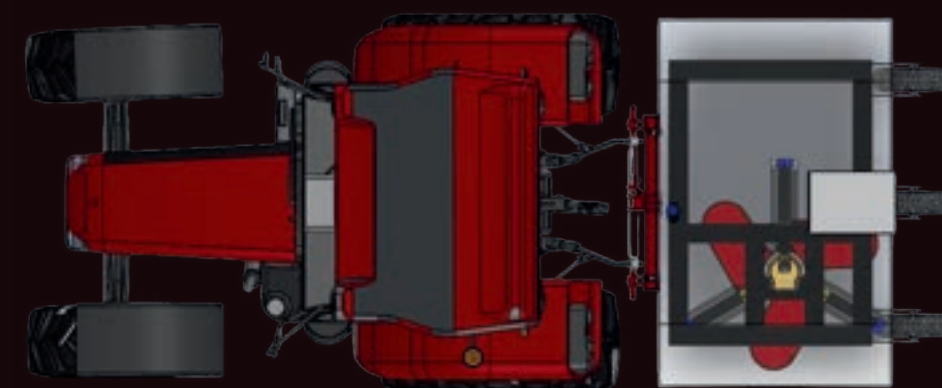## 3D Weed Elimination Technology

Using Selective Electrodes, the robot can deliver highly precise voltage (accurate to millimeter) based on the vision system's target. The system detects and destroys weeds under or beside foliage without harming the crop.

Email: Info@bhfsolution.com
Web: www.bhfrobotics.com

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ELECTRIC WEEDER T100 - 1 MODULE

A compact, lightweight unit ideal for smaller farms and easy transport between fields.
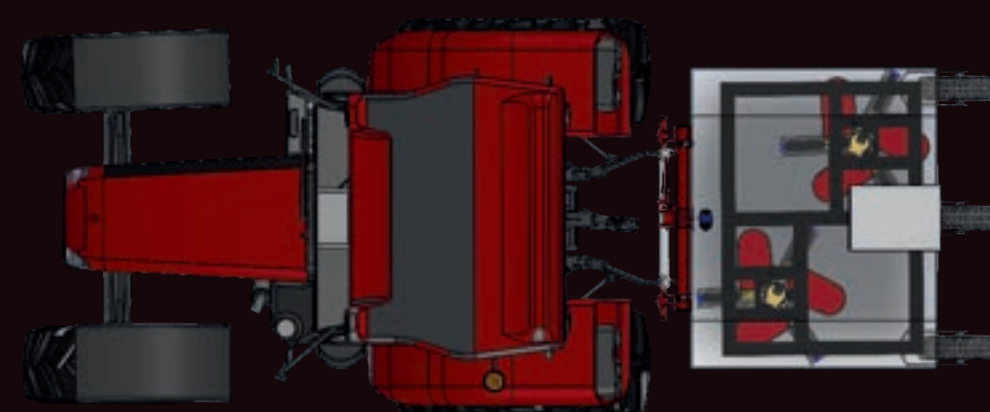
- 1 x 3.5KW ultra high-speed manipulator
- 1 × 3KW electricweeding unit
- 1 x high-resolution camera
- 1 x gas generator
- 12/7 software and remote support
- Service & Support Plans for 3 years

ELECTRIC WEEDER T200 - 2 MODULE

A mid-sized unit designed of a wide range of crop types and field layout.

- 2 x 3.5KW ultra high-speed manipulators
- 2 × 3KW electricweeding units
- 2 x high-resolution cameras
- 1 x gas generator
- 12/7 software and remote support
- Service & Support Plans for 3 years

ELECTRIC WEEDER T600 - 6 MODULE

Large-scale 20-foot unit tailored for large acreage operations.

- 6 x 3.5KW ultra high-speed manipulators
- 6 × 3KW electricweeding units
- 6 x high-resolution cameras
- 1 x gas generator
- 12/7 software and remote support
- Service & Support Plans for 5 years

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