



### RV1 Product Overview

The RV range currently offers the most advanced selective vegetable harvesters in the world.

Designed with an integrated vision system capable of offering a varied size of product, the RV1 has a harvesting capacity of 1200 heads per hour.

Field mapping data is available for yield or future availability estimations when combined with weather forecast data.

Improved productivity rates, harvesting days and nights with the integrated artificial illumination.

### RV1 Product Description

The vision system, integrated in the RV range, scans the field as the machine moves forward, locating the broccoli heads and accurately sending coordinates to the robots. A new broccoli harvesting cutting tool has been designed specifically for this new harvester, allowing precise length cutting of the broccoli stems. As standard, the robots drop the heads into boxes located at the end of the harvester, but other collecting solutions could be applied to these harvesters.

An electric generator, either hydraulic or fuelled, supplies the energy needed to power the RV.

A low loader trailer can be provided as an optional extra for easy transportation to/from the field. Maintenance contracts can also be provided to ensure the ongoing good condition of the RV.

#### Included

- 1 x RV1 Harvester
- 1 x Spares Kit
  - 1 x Cutting Tool
  - 10 x Cutting Blades
- Installing Period and Commissioning

#### Optional Extras

- Field mapping data interface to the customer data systems
- Low loader
- Delivery
- Service maintenance agreement

#### RV1 Specifications

Scanning System	High resolution 2D cameras and 3D sensors with LED illumination
CPU	Industrial computer
Field Mapping Data	DataBase recorded (Optional bespoke user interface can be provided)
Robots	Six-axis robot
Cutting Tool	Unique cutting mechanism
Tracking	Encoder Wheel (used to determine speed and distance travelled)
Cutting Cycle Speed	3 seconds to locate, harvest, and drop the crop into the desired area
Max. Harvesting Capacity	1200 heads per hour
Power	Generator (3.5kW)
Weight	1400 Kg (Approx.)
Length	2500 mm
Width	2000 mm
Height	2000 mm
Max. Crop Size	170mm diameter (for other sizes, please enquire)
Max. Crop Height	385mm (measured from a flat ground level to top of leaf)
Current Broccoli Varieties	Tested on the leading varieties currently in use

