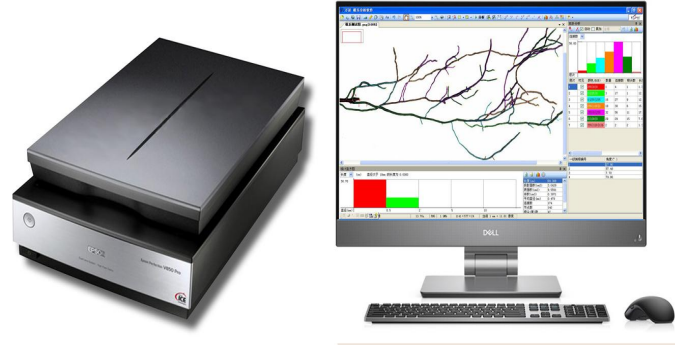


LK-1900 Root scanner System obtains high-definition picture information of the root system by digging and scanning the root system of plants. It can scan multiple culture boxes at one time, assisted by professional analysis software to obtain important parameters of the root system of plants, providing researchers with research information on the root system ecology, resistance, stress and other underground root growth.



Features

- Clarity. 6400 dpi high resolution image output.
- Exquisite. Dual-lens system to capture more details.
- Efficient. ReadyScan LED light source without preheating to sweep on.
- Professional. Color management mode to meet user needs.

Parameter

1. scanning type: flatbed color root scanner.
2. the whole machine is waterproof splash and dustproof.
3. maximum scanning area: 8 " × 10 " (203 × 254mm).
4. light-sensitive element: CCD.
5. optical resolution: 6400 DPI.
6. scanning mode: root system fixed mobile scanning head.
7. scanning object: digging out the washed root system.
8. size: 308 * 503 * 152.5mm.
9. Scanning light source: LED
10. Color bits: 48 bits
11. Power supply type: AC220-240V, 50/60Hz
12. Working temperature: 5-35 °C
13. Working humidity: 10-80% (no condensation)
14. warranty time: 1 year.
15. root plate: 180*230*20mm.
16. Output parameters: number of root tips, total root length, diameter, volume, surface area, projected area, branching point, average direction, etc.



Full root mode



crown1.png



crown2.png



crown3.png



wheatcrown_settings.csv

Broken Root Mode



scan1.jpg



scan2.jpg



scan3.jpg



wheatscan_settings.csv

Basic Configuration

1 set of scanner; 1 power cable; 1 data cable; 1 set of root tray; 1 set of professional root analysis software; 1 set of electronic version of the materials; 1 instrument case, 1 high-performance desktop computer.

Origin and Manufacturer: China Eco-mind