CID Bio-Science INC.
Tools that work where you work.

www.cid-inc.com
sales@cid-inc.com
+1 (360) 833-8835

CI-600 Comparison Chart

Specification	CID Bio-Science	Bartz Technology Corp	RhizoSystems, LLC
	CI-600 In-Situ Root Imager	BTC2 Minirhizotron Video Microscope	AMR-B: Automated Mini-Rhizotron
Scanner/camera resolution	100 - 1200 DPI	470 TV lines color resolution	1/3 inch, 2Mp color sensor. 1,920,000 effective pixels
Image size	21.6W x 19.6L cm	13.5 mm vertical x 18 mm horizontal	3.01mm (width) x 2.26mm (height) (at 100x)
Scan speed	30-480 seconds depending on scanning resolution	n/a	Programmable –typically 2.75 seconds per image captured
Interface	USB port	Requires monitor to view images in field and method to store images (sold separately)	Computer with 3 USB ports, user interface: RootView
Power supply	USB port; powered by included handheld tablet computer	8 hour field power supply: 12 V battery or AC 90 to 260 Volt power	Maximum: 100W Nominal: < 50W
Scan head dimensions	34.3 cm long x 6.4 cm diameter	n/a	Length (including handle and anti-spin tail fin): 156.87cm, Diameter: 107.95mm (Handle width 119.38mm)
Scanner unit weight	750g	n/a	Approximately 8.2kg
Scanner head rotation	Nearly 360 degrees	360 degrees	360 degrees

Specification	CID Bio-Science	Bartz Technology Corp	RhizoSystems, LLC
	CI-600 In-Situ Root Imager	BTC2 Minirhizotron Video Microscope	AMR-B: Automated Mini-Rhizotron
Water resistant	No, but tubes are designed to be water-tight and insulated caps reduce condensation	Water resistant camera	Unit is submersible to 2m (using optional connector and wiring harness). Ancillary equipment is not.
Field case included	Yes	Yes	Yes
Magnification	No	15X	100X
Image capture and file management	Included tablet computer which powers device and provides live-updating images in the field.	BTC I-CAP Image Capture System (Sold separately)	Includes ancillary housing with small computer running Windows
Software	Operation software and RootSnap! Analysis Software are provided on included tablet computer or easily download software on additional laptops or tablets with Windows operating system.	Use optional I-CAP software and field computer to capture, name, and store digital images in the field. (Sold separately)	Web-based user interface included called RootView. RhizoSystems includes preconfigured system with each AMR.
ROOT TUBE			
Standard clear tube dimensions	6.4 cm inner diameter x 105 cm length, custom lengths available on request	2 inch (51 mm) diameter tube, 3.2 mm thick tube wall, standard tube length is 6 feet	200mm internal diameter, 1 meter long tube
Tube material	Clear extruded acrylic with machined watertight bottom plug and insulated top cap.	CAB (Cellulose Acetate Butyrate) or Extruded Acrylic	Clear plastic or glass

Specifications gathered March 2016 and are subject to change at any time. Please consult competitor companies directly to validate current product specifications.