

# BARTZ TECHNOLOGY CORPORATION

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## PRODUCT LIST

Domestic university and government prices effective Jan 2007. Subject to change without notice.

### PLEASE CONTACT US FOR CURRENT PRICING

#### CAMERA SYSTEMS

US Dollars

**BTC-2 Minirhizotron Camera System:** Please contact us

High resolution color camera with S-VHS output. Designed for outdoor use in a 2-inch (51 mm.) tube. Includes; 5 meter cable, system control box with remote focus, white lighting, guide assembly for 2 inch tube, 8 hr. 12VDC field power system, also operates on 100-240VAC. Includes 4 to 7½ foot extendable handle and field case.

**BTC-1.125 Small Diameter Minirhizotron Camera System:** Please contact us

High resolution color camera with S-VHS output. Designed for indoor use with lysimeters and greenhouse pots (not water resistant). Includes; 5 meter cable, system control box with remote focus, white lighting, variable magnification to 40X, operates on 100-240 VAC power. Includes 42" working depth (extendable handle options quoted on special request) and field case.

**BTC-100X High Magnification Minirhizotron Camera System:** Please contact us

High resolution color camera with S-VHS output. Designed for outdoor use in a 2-inch (51 mm.) tube. Remote zoom to observe objects up to 100 times original size. Includes; 16-foot cable, system control box with remote focus, white lighting, 8 hr. 12VDC field power system, also operates on 100-240VAC. Includes 4 to 7½ foot extendable handle and field case.

**BTC-ROM Robotic Minirhizotron Camera System:** Discontinued \*

#### CAMERA OPTIONS Please contact us

**PAL Video Format** in camera head. Please contact us.

**Ultraviolet Lighting System:** (Available with BTC2 and 100X only.) Please contact us  
Allows switching between white lights and UV for identification of live or dyed material.

**BTC/Smucker Indexing Handle System:** (for BTC-2 and 100X only) Please contact us  
Allows precise camera location in 2-inch inside diameter tube: two-segment 7 foot handle.

**Metric Indexing Handle System:** (available with BTC-2 and 100X only) Please contact us  
Equivalent to BTC/Smucker handle above, but sized for tubes with 60mm OD / 53-54mm ID.

**BTC-1.125 Small Diameter Indexing Handle System** Please contact us  
Allows precise camera location in 1.125-inch inside diameter tube: One piece 48" handle.

#### DIGITAL IMAGE CAPTURE SYSTEM

**BTC I-CAP Image Capture System:** Please contact us  
Captures, names and stores digital images in the field, directly from camera head to field computer for later lab analysis; includes control software, image management software (Microsoft compatible), sub-notebook field computer installed in field case, field power system and recharger.

**BTC I-CAP Upgrade Package:** Please contact us  
For most existing BTC Camera Systems. I-CAP System as above, with new controller packaged and integrated with I-CAP components described above, in field case.

#### RECORDER / MONITOR SYSTEMS-NTSC (other configurations are available; please call)

**Digital Camcorder System:** Please contact us  
Includes Hi-8mm camcorder with color LCD monitor and remote control, audio annotation in BTC controller, 13-inch 400 line color lab monitor, and all cables.

**PLEASE CONTACT US FOR CURRENT PRICING**

**BARTZ TECHNOLOGY CORPORATION PRODUCT LIST (cont'd)**

**ACCESSORIES** (Individual Product Description Sheets are available.)

**Backpack Field Transport System:** Call for quote  
High quality aluminum frame pack and padded harness with flexible armature mount for I-CAP, camcorder, or LCD monitor. Special mounts in pack hold control box and power supply.

**Lab Playback System:** Hi-8 table top video recorder for lab playback. Please contact us

**Minirhizotron Observation Tubes and Accessories:**

Cellulose Acetate Butyrate (CAB) observation tubes. Available in standard or custom lengths, with diameters conforming to BTC camera heads. Available as plain tube stock or with end caps installed. All capped tubes are pressure tested for leakage. Drilled index holes are optional.

	<b><u>2" ID Tube</u></b>	<b><u>1.125" ID Tube</u></b>
Plain Stock Tubing in 6 foot lengths.	Call for current pricing	
Tube with End Cap installed.	" "	" "
Index Hole drilled in tube (each).	" "	" "
Index Hole Drill Guide and special drill bit (Standard or Metric)	" "	" "
Tube cut or drill index hole (each)	" "	" "
End Caps each	" "	" "
Special Glue for Caps, pint (.5 liter)	" "	" "
Boring Set with heavy duty 1 step final Reamer Tube (2 1/4" OD)	" "	N.A.

**Cable for BTC-1:**

**Cable for BTC-2, BTC-100X, and BTC 1.125 :** 5 meter (16.4 ft.). Add \$11/ft. for extra length. Installation directions included.

**Cable Strain Relief:** For cables sold before June, 1999. Flexible plastic device guides and protects cable at exit from indexing handle. Saves wear and tear on the cable. Installation directions included.

**Strain Relief Modification and Installation:** same as above, done at our facility

**Plans for Alignment Frame:** Working drawings for steel frame. Holds boring tools and observation tubes at a consistent angle when inserting in ground; angle settings in 15-degree increments to 90 degrees. Simple metal fabrication and welding required.

**Spare Copies of Operation Manual:**

**Demo Tape:** Raw footage of underground activity magnified 15X to 100X with white and UV lighting. Useful for teaching. Please specify VHS, SVHS Hi-8mm, or CD format.

**Camera Checkup:** General maintenance, cleaning, lube, pressure test, and functional check for in-use or older Minirhizotron systems. Repairs and shipping are extra (see below).

**TERMS**

**Shipping:** Shipping and insurance is prepaid by Bartz Technology and added to invoice. All prices are FOB Origin and EX WORKS Santa Barbara.

**Domestic Orders:** Full payment due 30 days after shipment (net 30).

**Direct International Orders:** Unless otherwise negotiated, 100% advance payment to accompany purchase order. A wire transfer fee may apply.

**Documentation Charge:** on all international orders, 1% of value of goods, with a minimum of \$45.

**WARRANTY** A one-year-warranty is provided on BTC products. Out-of-Warranty repairs will be quoted on an individual basis for labor at 74.16/hour plus parts. All repairs include a minimum 1-hour diagnostic charge.

*We are happy to discuss customized orders for your special requirements. In the past these have included extra long handles, observation tube extensions, and adaptations for odd diameter tubes.*