

Vendor	Model	Zoom/ Font Size	Contrast	Color Shift	Audio	Tactile Keypad	“Tethered Tactile Keypad”	Sip and Puff Option
Diebold	AccuVote-TS	Yes Activated at any time during the voting process	No	No	Yes Preferred Human Voice	Yes	Yes	No
Diebold	AccuVote-TSX	Yes Activated at any time during the voting process	Yes Activated at any time during the voting process	Yes Activated at any time during the voting process	Yes Preferred Human Voice	Yes	Yes	Upcoming option

Vendor	Model	Languages	VVRP On All	All Units Accessible	Additional Features
Diebold	AccuVote-TS	Yes Seven languages already used in actual elections. Additional languages available.	Optional	Yes	Tethered Keypad enhances accessibility. Right Angle Screen Position setting for wheelchair accessibility.
Diebold	AccuVote-TSX	Yes Seven languages already used in actual elections. Additional languages available.	Optional	Yes	Light-weight ten lbs. Voting Tablet for Curbside Voting. Voting Tablet can be placed on voter’s wheelchair tray. Tethered Keypad enhances voter accessibility. Keypad has dotted five key for universal acceptance (same as telephone)(less than 10% of blind voters read Braille). Right Angle Screen Position setting for wheelchair accessibility A single interface is used to make selections and cast the ballot.

Vendor	Model	FEC Cert. to 2002 Standards
Diebold	AccuVote-TS	No
Diebold	AccuVote-TSX	Yes The AccuVote-TSX meets all the 2002 FEC qualification standards. FEC 2002 standards ITA testing has been completed on the integrated Diebold touch screen/optical scan system solution. A NASED number is expected in mid-July 2005.

**Diebold Election System’s AccuVote-TSX touch screen voting station sets a new standard for accessibility in the electronic election system industry.**

Today, because of the accessibility of the AccuVote-TSX, the same functionality and ease-of-use can be afforded to a very broad range of voters throughout a jurisdiction. Furthermore, Diebold’s AccuVote-TSX meets the requirements of the Help America Vote Act which requires ADA accessible voting stations in every voting location nationwide by January 1, 2006.

**Accessibility for Voters that are Blind**

Over the past five years, direct input from thousands of blind people operating Diebold voting stations has been collected and reviewed, providing very valuable real-world preferences concerning the operation of the unit. These suggested capabilities have been incorporated into the operation of the AccuVote-TSX voting station.

The AccuVote-TSX enables blind voters to navigate through the entire ballot without assistance, in complete privacy. CD quality human voice guidance prompts clearly recite the name of each candidate. A human voice was overwhelming preferred over an electronic voice for this application, as the pronunciation of candidate names is vitally important. The American Council for the Blind has public ally stated their preference for human voice for this application.

The voter can easily move through the ballot using a tethered telephone-style keypad that is designed for ease of use and handling. The lightweight design of the keypad meets ADA keypad design standards, and a dotted five key is used as less than 10% of blind people can read Braille. The keypad, with the dotted five key, is the keypad design of choice by members of many blind organizations. Its convenient, detachable mounting location on the front of the voting station positions the keypad in the same position as the keypad on a public telephone.

All voice guidance operations, including making candidate selections and casting a ballot, are accomplished using the same single tethered keypad.

The single step functionality of the AccuVote-TSX eliminates the cumbersome requirement of some other systems which require a blind voter to make selections at one location, then require the blind voter to relocate to a second location within the precinct in order to cast their ballot. Requiring a blind voter to transport a marked ballot across a precinct raises privacy and accessibility issues.

The AccuVote-TSX provides a one step voting process, eliminating these issues.

The tethered keypad enables a blind voter to conveniently vote in a seated position with just the light-weight keypad control placed on their lap.

Blind voters have indicated that they prefer the port for the voice guidance headphone jack to be located on the lower right hand side of the touch screen, as this location is a convenient, predictable location for the jack. Diebold has made access to the headphone jack very convenient for blind voters by placing it in an elevated position on the bottom of the touch screen on the right hand side. This enables a blind person to plug their headset into the jack without assistance.

Each and every AccuVote-TSX can provide voice guidance capability for blind voters. The accessibility of the AccuVote-TSX enhances the voting process and enables blind voters to vote at any of the Diebold touch screen units within a precinct. No disenfranchisement.

The screen of the touch screen voting station can be made void of ballot information while a blind voter is voting, eliminating the capability for a sighted person to witness how a blind person is voting.

If the AccuView Voter Verified Paper Audit Trail is used with the AccuVote-TSX unit, an integral privacy cover shields the printed candidate selection information from neighboring voters, enabling a blind voter to vote in complete privacy. This is required to meet the HAVA standards, providing the same independence and "privacy" for all voters.

The vast majority of blind voters have asked for the capability to either accelerate or slow down the pace of the voice guidance system. The speed of the voice guidance prompts can be adjusted based on the proficiency and comfort level of the blind voter using the buttons on the keypad. Voice volume can also be adjusted in a similar manner.

### **Accessibility for Visually Impaired Voters**

The AccuVote-TSX provides a large, well illuminated 15 inch screen which is very easy to read. The size of the screen enables a ballot to be formatted in a design which is easier to read for voters with vision issues.

Diebold offers a magnification feature that provides the ability to enlarge the text on the ballot at any time during the voting process. This feature enables voters with limited vision the ability to vote unassisted in a clear, comfortable manner.

The AccuVote-TSX also offers the capability to change the contrast of the screen from a colored background to a white background with black text if desired by the voter, further enhancing the ability of a person with vision problems to more easily read the ballot. This feature can be easily activated at any time during the voting process.

### **Accessibility for the Physically Challenged Voter**

Voters in wheelchairs have frontal and sideward accessibility to the AccuVote-TSX voting station. Voters in wheelchairs can either use the touch screen to make their selections and cast their ballot, or they can use the tethered keypad and voice prompts to complete their ballot. The AccuVote-TSX touch screen can be easily adjusted to a right angle position, further facilitating its use by a voter seated in a wheelchair. A bracket, readily available and permanently installed behind the AccuVote-TSX tablet can be quickly positioned to provide this important screen position. The right angle position of the touch screen enables a voter with limited dexterity to use a portion of their hand, a head pointer, tongue depressor or any firm object to make their selections. The magnification capability of the system provides an even larger candidate touch screen target area for voters with limited dexterity.

Physically challenged voters can place the tethered ADA keypad on the tray of their wheelchair or in their lap, so very little movement is needed to make their selections and cast their ballot using the single voter interface.

The light-weight voting tablet can also be used to provide enhanced accessibility for a voter in a wheelchair that has limited dexterity. The voting tablet can be placed on the voter's lap or on the tray of the wheelchair while the voter makes their selections and casts their ballot.

### **Curbside Voting**

For voters that must vote from an automobile which transports them to the voting location, the ten pound AccuVote-TSX voting tablet can be detached from the AccuVote-TSX voting booth and easily transported to a voter in an automobile by a single poll worker at the voting location. The AccuVote-TSX tablet provides a lightweight, secure and very effective way to accommodate curbside voting. The curbside voter is afforded the same system capabilities as the voter voting with the AccuVote-TSX within the respective voting facility, including all voice guidance capabilities.

The AccuVote-TSX meets accessibility requirements including those associated with reach, height and approach accessibility. Direct input from thousands of blind and visually impaired voters has made the AccuVote-TSX the most accessible voting system in the industry. Diebold will continue to enhance the accessibility of our voting stations as new technology provides additional methods to make the voting process more accessible for all voters.