

X-tation Hardware Overview Outline:

Height Adjustable Workstation:

This workstation is a dual height adjustable workstation that allows the user to independently raise and lower the workstation surfaces with two easy-to-use switches located at the front left of the workstation. Additionally it features a curved front surface that allows the user to enter the workspace making the assistive technology closer and more accessible. The workstation also features a docking system that locks the computer system onto the workstation.



Articulating Arm Supports:

Clients who suffer from repetitive stress injuries (i.e. carpal tunnel) will utilize these articulating arm supports while using the computer to relieve stress in their wrists and arms. Additionally, these arm supports are fully adjustable.



Canoscan Scanner:

In order for clients to access the available scanning software (i.e. WYNN and Openbook) this scanner will be needed. This Canoscan scanner allows the client to take printed materials (i.e. newspapers, brochures, etc.) and scan them into the computer where adaptive software (i.e. WYNN and Openbook) translates the printed text into electronic text which can then be read back to the user.



Intellikeys Keyboard:

The Intellikeys keyboard provides a variety of keyboard layouts (i.e. Alphabetical, Number, Mouse, etc.) and is larger than a standard keyboard thus increasing the size of the key regions. Clients that have limited fine motor control in their arms and/or hands (i.e. spastic) will use this keyboard.



Kensington Trackball:

The Kensington Expertmouse trackball is a pointing device that reduces the amount of movement needed to move a mouse pointer around the computer screen. Clients who have limited mobility or repetitive stress injuries (i.e. carpal tunnel) will benefit from using this pointing device by reducing fatigue and strain that results from using a standard pointing device. Additionally, this pointing device features four programmable buttons and 6 quick launch buttons that can increase a person's efficiency by opening programs and dragging items across the screen with the click of a button.



SpaceSaver Keyboard w/ Touchpad:

A space saver keyboard reduces fatigue and increases efficiency for clients who may have limited mobility or are one-handed typists. This keyboard retains a standard keyboard layout, but is approximately 60% smaller than a standard keyboard and requires less range of motion across the keyboard to operate. Additionally, this keyboard has a built in touchpad mouse for persons who are unable to use a standard mouse.



Large Print Keyboard:

The Large Print Keyboard enlarges the letters and symbols that are on a standard keyboard by almost four times the actual size. This keyboard allows clients with low vision to more easily access the computer keyboard.



Switch Click User Interface:

The switch click interface is used in conjunction with the ScreenDoors 2000 on-screen keyboard/word prediction software to provide a single switch access method for the computer. The single switch access method of using a computer requires only one consistent and repetitive motion (i.e. eye blink, finger movement, etc.) to perform word-processing skills. See the ScreenDoors 2000 quick reference guide to learn more about this access method.



Jelly Bean Switch:

A switch provides access to the computer for clients who do not have access to a keyboard or mouse. Two switches were provided with the workstation (Spec Switch and Soft Switch), but most clients who use this technology will have their own.



Typing Aides:

Typing aids are useful to clients who are one finger typists or have limited dexterity in their hands and fingers. Typing aids allow clients to access the keyboard more effectively by limiting the amount of strain on one's hands and fingers as they type. Two left handed and two right handed typing aids were provided with the X-tation.



Universal Switch Mounting Arm:

A universal switch-mounting arm allows the user to appropriately position a keyboard or mouse in their workspace. This mounting arm is fully adjustable and can be attached to any flat work surface. Additionally, this mounting arm is easily loosened and tightened with a large easy-to-grasp knob.

