# 4200-SCS System Level Backup and Restore Capability using Acronis True Image OEM Software Tool

## Introduction:

Acronis True Image (OEM) is a software tool that solves all the backup problems and ensures the safety of all the information of the 4200-SCS by allowing the users to create hard-disk images including user data, environment settings, and operating system files. The Acronis True Image software tool is preinstalled on every 4200-SCS machine at the Keithley factory starting Dec' 2005.

The entire 4200-SCS hard drive image has been archived prior to shipment in Acronis OEM Zone; which is a special hidden system partition, containing the initial image of your hard disk. The Acronis OEM Zone is used with the Acronis Startup Recovery Manager that allows the user to restore the entire contents of the 4200-SCS hard drive to the exact condition just prior to shipment from the Keithley factory to the customer.

## Restoring Hard Drive using Acronis True Image OEM Software Tool:

The 4200-SCS hard drive can be restored to the factory conditions at any time. The restore operation can be performed by rebooting the 4200-SCS. During the BIOS boot-up process, the following message will display [Figure 1] for approximately three seconds *"Press <F11> for Acronis Startup Recovery Manager"*.
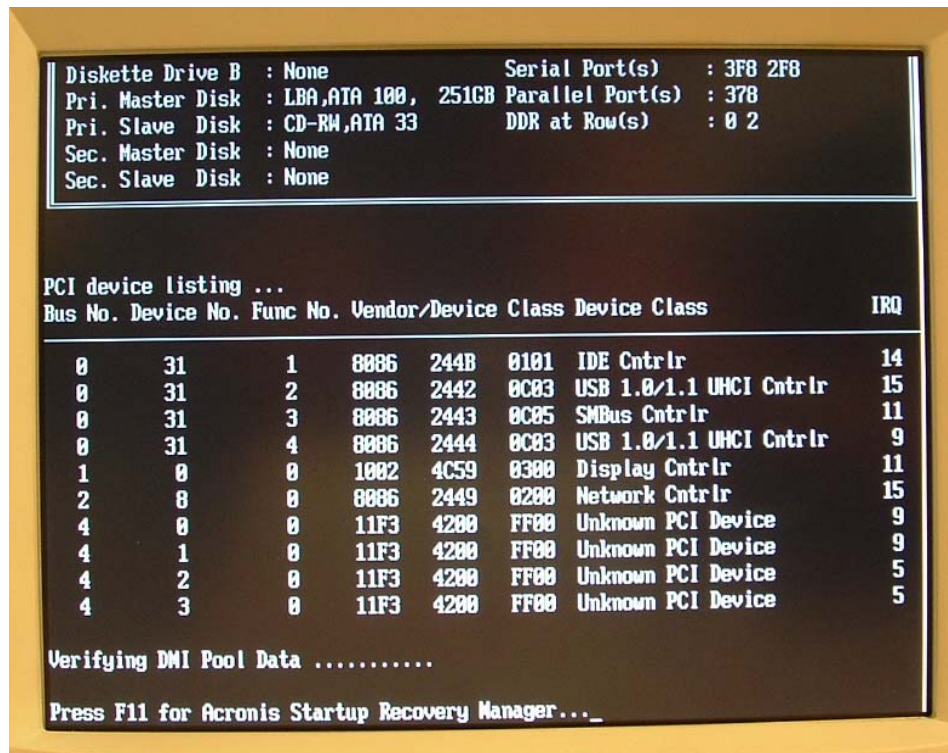


**Figure 1: BIOS Boot-up Screen for Accessing Acronis Startup Recovery Manager.**

Pressing <F11> loads the Acronis startup recovery manager interface window [Figure 2]. Selecting the "Restore" option allows the 4200-SCS hard drive to be restored to the factory initial settings. The entire restore process takes approximately 10 minutes.

Users should understand that restoring the 4200-SCS hard drive to factory conditions using Acronis True Image software tool will DELETE ALL the files written to the hard drive after shipment, hence care should be taken to back up all data and files prior to restoring the hard drive to factory condition. This could be accomplished by creating a hard drive image on an external drive such as CD-ROM drive, flash drive or an external hard drive. The procedure for creating the system level backup using the Acronis True Image OEM tool is discussed in the next topic.



**Figure 2: Acronis Startup Recovery Manager Interface Window.**

## System Level Backup using Acronis True Image OEM Software Tool:

In addition to allowing users to restore the entire contents of the 4200-SCS hard drive to the exact factory conditions, Acronis True Image software tool allows the users to create their own backup of the hard disk image(s) to the hard drive, CD-ROM, thumb drive, or other media.

The users can create a copy of the entire or parts of the hard disk image through the Acronis True Image OEM Edition interface window, which could be accessed by selecting either the "Acronis True Image" option in the Acronis startup recovery manager interface window [Figure 2] or by selecting "Start > All Programs > Acronis > True Image > Acronis True Image OEM Edition". Figure 3 shows the interface window of the Acronis True Image OEM Edition.

Selecting the "Create Image" wizard in the Acronis True Image OEM Edition allows the user to create the hard-disk image [entire or a segment] as an Image Archive (*.tib) file. The users can provide comments in the "Image Archive Comments" wizard page, about the 4200-SCS and its user, the hard-disk, partition data, image creation time and any other remarks. The users should try to provide as much details as possible in the comments page. The user can store the image archive file to a removable media or in another partition of the hard-disk.

The hard drive of the 4200-SCS may have several partitions and it is a good practice to store the image archive file of a particular hard drive partition in a different hard drive partition. This practice is helpful to

restore any lost data or a partition crash. It is also recommended to create an image archive file of the entire hard drive on an external storage device to overcome multiple hard drive partition crashes which is highly unlikely to occur.

The user created image archive file can be restored using the "Restore Image" wizard if the partition becomes corrupted or if the user accidentally deleted some file or directories in the hard-disk. The comments provided in the "Image Archive Comments" wizard page while creating the image archive file might be really useful for restoring the correct image archive file.



**Figure 3: Acronis True Image OEM Edition Interface Window.**

Please refer to your Acronis True Image OEM Edition User Guide for further details. The user guide can be located by opening the 4200 Complete Reference and clicking on Related Literature and then Acronis True Image OEM User Guide.

## Conclusion:

All the 4200-SCS shipped after Dec' 2005 from the Keithley factory has preinstalled Acronis True Image software tool, that solves all the backup problems and allows the users restore the entire contents of the 4200-SCS hard drive to the exact condition just prior to shipment from the Keithley factory or allows the users to create their own system level backups of the entire or section of the hard-disk.