Introduction
The CAMD Cleanroom Login System is a new computer application which controls the usage of specific pieces of equipment used in the cleanroom. This application keeps a record of which piece of equipment is being used at any given time, by whom, and the duration it was used. These records will be used to create statistics on the usage of our equipment and for billing purposes.

How to use the system

Getting started
Once you are logged onto the computer under the local account “public,” you should see a window open that looks like Figure 1. If you do not see this window, then double click on the shortcut on the desktop labeled CR Login.

Figure 1 The CR Login System starting point
Logging in
To login to the CR Login System, the user must click the button labeled LOG IN. This button is located at the bottom of the CR Login System application as illustrated in Figure 1. Once you have clicked the LOG IN button, you should now see a screen that looks like Figure 2. The user’s UserID and Password is identical to his/her booking UserID and Password. Enter your UserID into the field labeled UserID and enter your password in the field labeled Password and click on the OK button.

NOTE: UserID is not case sensitive, but your Password is case sensitive.

Figure 2 User Login Screen
Once successfully logged in, the CR Login System should look something like Figure 3. The field labeled Available Machines contains a list of equipment that the user may use. The field labeled Machines That Are In Use contains a list of equipment that the user has already turned on. The LOG IN button changes to Log Out.

Figure 3 CR Login System after logging in.
NOTE: The START, STOP, and STOP ALL buttons will be disabled at first.

Activating a piece of equipment
Highlight one machine to be activated. The START button will become enabled once a machine is selected as illustrated in Figure 4. After selecting the desired piece of equipment from the Available Machines field, the user must click the START button to activate the desired machine. Immediately after clicking the START button, the mouse pointer will change from the default arrow to an hour glass. The mouse pointer will remain an hour glass while the requested transaction is performed. The mouse pointer will change back to the default arrow after about two seconds. The user should wait until the mouse pointer changes back to the default arrow before requesting another transaction. Once the mouse pointer has changed back to the arrow, the user should see something like Figure 5. If the user wishes to use multiple pieces of equipment then he/she needs to repeat the above step until all of the desired pieces of equipment are activated. After activating all desired machines, the user should log out as described below.

NOTE: Once there is at least one item in the Machines That Are In Use field, the STOP ALL button will become enabled. If you click the STOP ALL button then all of the pieces of equipment listed in the Machines That Are In Use will be deactivated.

Figure 4 CR Login System with one piece of equipment selected from the Available Machines field.
Logging Out

Once the user has completed all the transactions that he/she wishes to make, then the user needs to log out by clicking on the Log Out button located at the bottom of the CR Login System application as illustrated in Figure 5. Once successfully logged out, the CR Cleanroom System will look like Figure 1. Please, leave the CR Login System and computer in this state for the next user.

Deactivating a piece of equipment

Login to the CR Cleanroom System as described above. Next, the user needs to select the desired piece of equipment from the Machines That Are In Use field that he/she wants to turn off. Once the user has selected the machine he/she should have a screen that looks like Figure 6. Now click the STOP button to stop the selected piece of equipment. Immediately after clicking the STOP button, the mouse pointer will change from the default arrow to an hour glass. The mouse pointer will remain an hour glass while the requested transaction is performed. The mouse pointer will change back to the default arrow after about two seconds. The user should wait until the mouse pointer changes back to the default arrow before requesting another transaction. If the user wishes to stop multiple machines, but not all, then repeat the above steps until all desired machines are deactivated. Furthermore, if the user wishes to deactivate all the equipment
that is listed in the **Machine That Are In Use** field then click the **STOP ALL** button. After deactivating all desired machines, the user should log out as described above.

**NOTE:** The **STOP** button becomes enabled when a piece of equipment is selected.

![Cr Login System with one piece of equipment in the **Machines That Are In Use** field selected.](image-url)