

# VMD Tutorial #1: Machine Configuration

In order to properly control your Torchmate machine the Accumove motion controller must be configured to your machine parameters. In this tutorial we will cover how to get the machine configuration loaded onto the Accumove motion controller.

## Before You Start:

Make sure you've completed the assembly guide for your table, which includes putting the entire Torchmate machine together and connecting the Accumove motion control to the motors, plasma cutter and height control.

In order to configure your Accumove control system for your machine you will also need to make sure that your computer's IP address has been configured to connect to the controller. Follow the instructions in the included video 'Configuring your IP Address' before continuing with this tutorial.

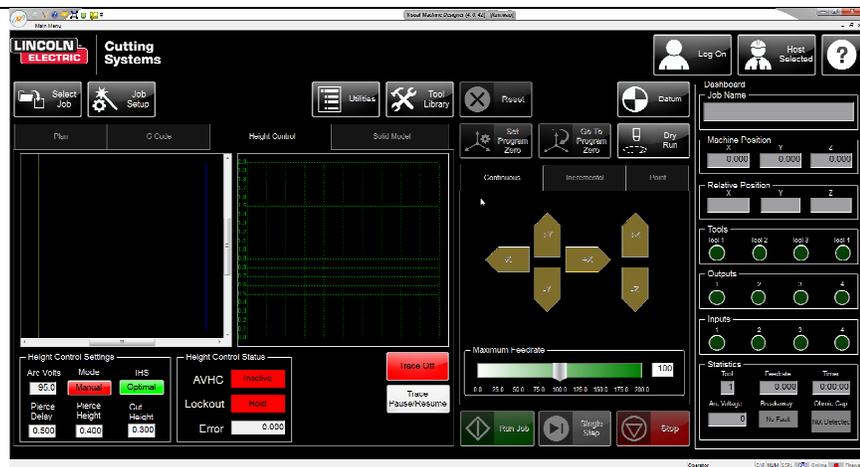
## Launching the Application:

**WARNING: DO NOT CONNECT OR DISCONNECT THE MOTORS WHILE THE ACCUMOVE IS POWERED ON. THIS WILL IRREVERSIBLY DAMAGE THE ACCUMOVE MOTION CONTROLLER**

1.) After verifying that the motors and accessory cables have been properly inserted into the Accumove motion controller, switch the controller on.

2.) Double click the 'Torchmate Visual Machine Designer' icon on your computer to launch the VMD software. If the controller has just been powered on, you may see the 'Controller Not Connected!' screen. This should automatically disappear after a few moments once the controller finishes booting up. Once a connection has been established, the 'Run' screen will be displayed.

*If you get stuck at the 'Controller Not Connected' screen, see 'My Controller won't connect' in the FAQ guide.*



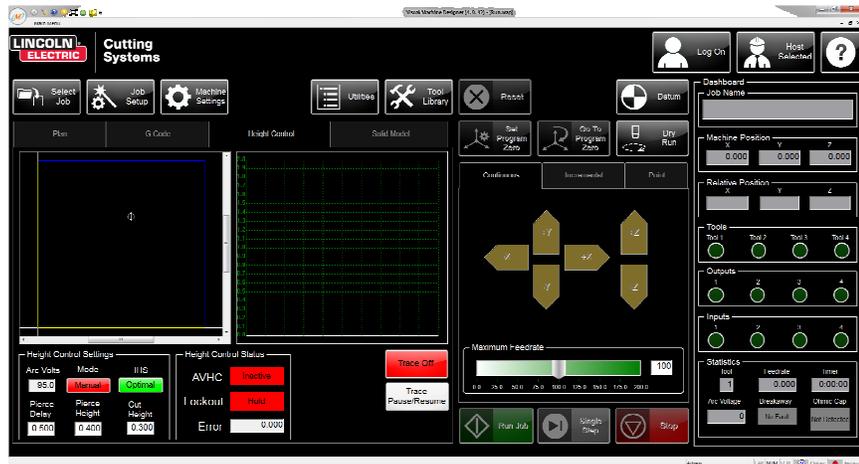
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3.) In order to change the machine configuration, you must be logged in as the Administrator. Press the 'Log On' button in the upper right side of the screen, then:

- Select the 'Admin' user
- Enter the admin password. (By default, the password is 1234)

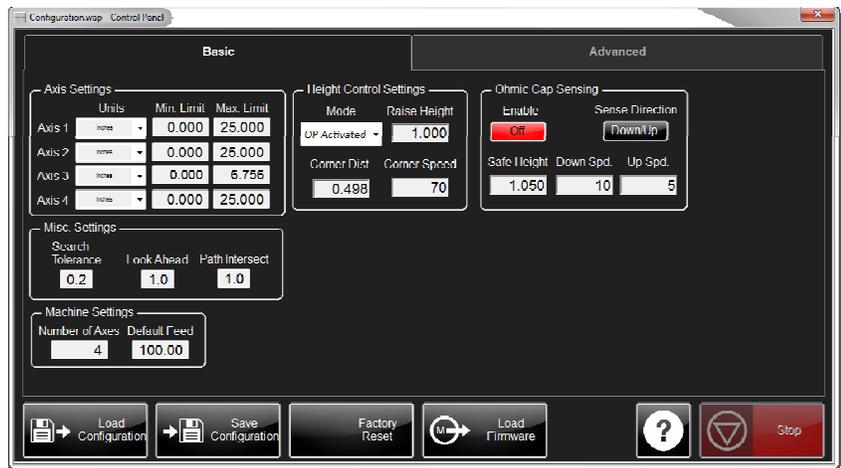
Press the 'OK' button to log in.

Once logged in as Administrator, a new button appears on the Run screen labeled 'Machine Settings.' This user also has the permission to load a machine configuration.

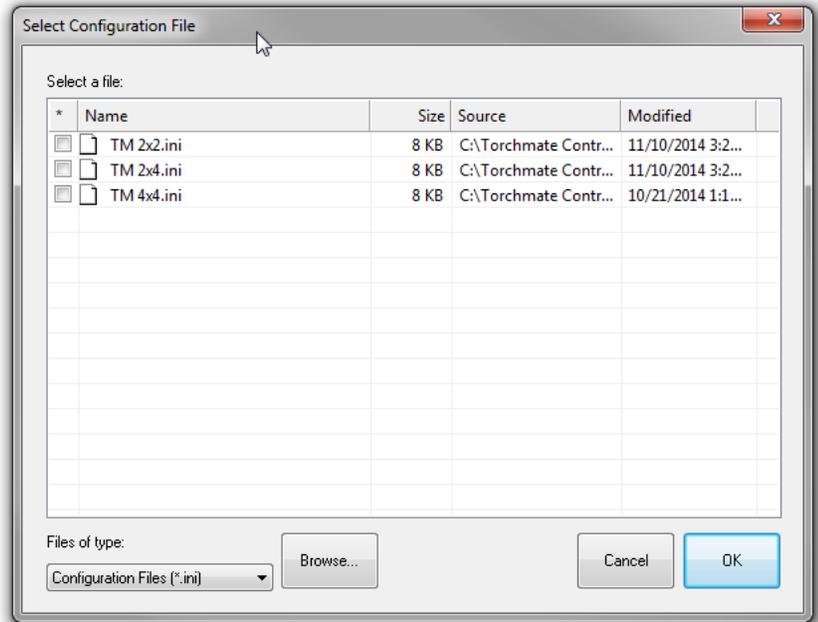


## Loading the Machine Configuration

1.) Once logged in as the administrator, press the 'Machine Settings' button to open up the configuration screen.



- 2.) Select your machine from the list of configurations. You can either double click on the machine that you are connected to, or you may highlight the machine and press 'OK' to load the configuration.



## **That's it!**

After completing these steps, your Accumove motion controller has been configured for your machine. You don't need to change these settings unless your machine changes; so it is not necessary to repeat these steps. You can read more about the machine configuration in the 'Advanced Machine Configuration' tutorial.

If you ever change the machine settings and want to revert back to the factory settings, just follow this guide again.

In tutorial #2 we will cover how to create a job file for your machine to cut!