

WIRING DIAGRAM FOR ADVANCED OPTIONS

Early Patriot machines came ready to run using the VFD key pad for controlling spindle Speeds and a switch on the front panel for selecting Forward or Reverse. With the addition of a few wires and some changes in the VFD and MACH 3 settings you can control your spindle speeds and direction from Mach3 on your computer. This also opens up other functions such as CSS (Constant Surface Speed) and tapping in your mill. When you are ready to make these changes, please e-mail us and we will send you the necessary files for changing the VFD and Mach 3 settings. The wires in this diagram are already attached to the Gecko drive on your machine- you only need to attach them to the proper place on your VFD. The wires also show in the main wiring diagram in this manual, but they are a bit difficult to trace around all the other wires, so we have created this simplified diagram for your convenience.

