Settings for Different Torchmate Setups

Depending on when and the type of system purchased from Torchmate the software will need to be set up to communicate the correct signals to the motors. The settings are changed in two locations in the **Configuration** menu of the software. In the **System ▶ Motor Signals** menu the type of motor will be specified. In the **Machine ▶ Mechanics** menu the drive mechanism will be adjusted based on the type of CNC table you have. The following table shows the different types of controllers, motors, and drive mechanisms that Torchmate machines can have.

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 3.5A Micro Stepper (5000-0xx-3xxxxx)
- Then set the Driver Model to Other
- Change the Step Pulse Width to 2 μsec

Configuration ▶Machine ▶Mechanics
- Set the Step Mode to 10
- Set the Gear Ratio for X and Y to 1.64

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 3.5A Micro Stepper (5000-0xx-3xxxxx)
- Then set the Driver Model to Other
- Change the Step Pulse Width to 2 μsec

Configuration ▶Machine ▶Mechanics
- Set the Step Mode to 10
- Set the Gear Ratio for X and Y to 1.5915494

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 8A Servo (FCS-x182D)

Configuration ▶Machine ▶Mechanics
- Set the Encoder Div. to 5
- Set the Gear Ratio for X and Y to 3.1830989

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 2A Half Stepper (5000-0xx-1xxxxx)

Configuration ▶Machine ▶Mechanics
- Set the Step Mode to 2
- Set the Gear Ratio for X and Y to 1.64

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 2A Half Stepper (5000-0xx-1xxxxx)

Configuration ▶Machine ▶Mechanics
- Set the Step Mode to 2
- Set the Gear Ratio for X and Y to 1.5915494

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 8A Servo (FCS-x182D)

Configuration ▶Machine ▶Mechanics
- Set the Encoder Div. to 5
- Set the Gear Ratio for X and Y to 1.64

Configuration ▶System ▶Motor Signals
- Set the Driver Model to Torchmate 8A Servo (FCS-x182D)

Configuration ▶Machine ▶Mechanics
- Set the Encoder Div. to 5
- Set the Gear Ratio for X and Y to 3.1830989