Picard Industries

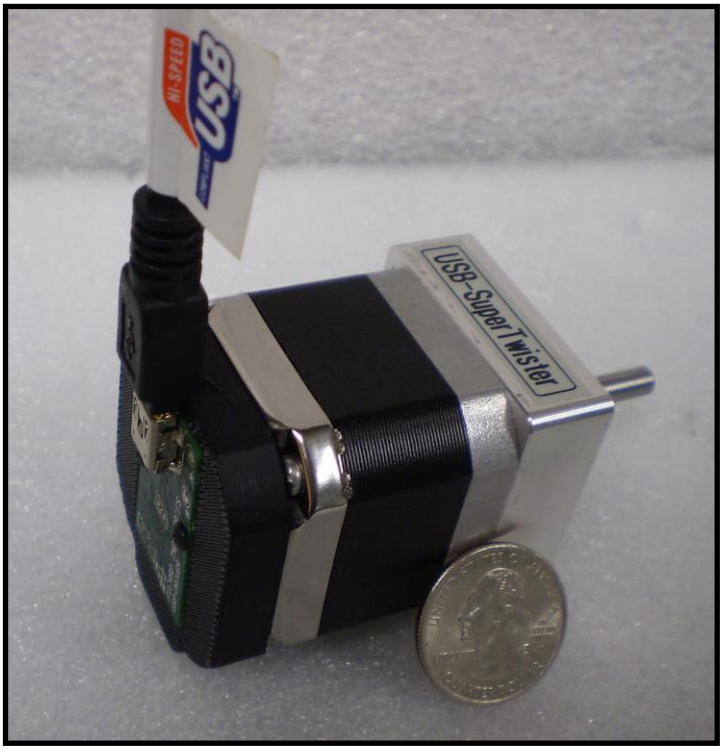
Specializing in Miniature Smart Motors and Sensors

ServO Designs™

USB-SuperTwister

System Features

- Integrated geared stepper motor control system
  ($625.00 single piece price)
- Powered and controlled from a standard USB port
- Standard motor size of 42 mm square (size 17)
- Hi-Torque force of about 15-20 N-cm (~25 in-oz)
- Continuous and absolute rotary motions
- Position resolution of 0.36 degrees /step (1000 step/rev)
- USB Hot pluggable with Auto-detection
- Multi-motor control with powered USB Hubs
- Power efficient, power used only when moving
- Selectable step speeds and jog intervals
- PC Windows interface for easy motion control
  Includes LabView Examples and DLL file



The USB-SuperTwister is a unique, low power, high torque, stepper motor control system for simple rotary motion. It is powered and controlled solely by a standard USB port. This system provides the method of rotary motion control unmatched in size, simplicity, and ease of use.

The USB-SuperTwister includes Windows based application software that runs on any standard PC with Windows-XP or higher and a USB port. This user interface provides for velocity (step speed), and position (step) control. All positioning movements are relative to a Zero (user selectable) position.

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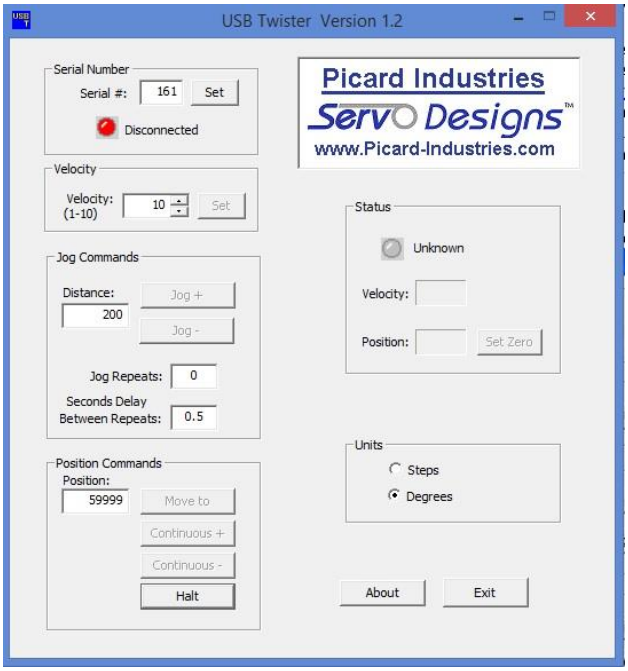
USB Twister User Interface

Below is a screen shot of the Windows control software that is provided with the USB-SuperTwister device. This software can be downloaded and installed from our website with the following link:

http://picard-industries.com/software/usb-twister.zip

After the software has been successfully loaded, simply enter the motor's serial number and attach the USB-Twister to a standard USB port with the supplied USB cable. The software will auto-detect the connection and allow you to begin controlling the position of the motor. Multiple motors can be connected by using externally powered USB hubs. Open multiple applications of this software and assign each with the serial numbers of the USB-Twister motors. LabView examples and DLL files will allow the user to automate this control functionality directly into their own custom application.



USB-SuperTwister Dimensions