

Product Failure Causes

An often asked question is "What caused my machine to fail?" It is important to understand that the TigerStop is comprised of many electrical components, and the one guarantee established for electrical components is that they WILL eventually fail. A user can extend the life of the TigerStop by being aware and preventing the many causes that can cause electrical components to fail. See below for these causes.

1. Shop Environment

The primary reason for failure is often the environment found within any shop. Many shops have large machinery dispersed throughout the floor and often times these machines are not on dedicated lines, or have power cables running through areas with high electrical interference. This electrical interference results in corrupt data sent to the controller or power surges and spikes that can damage the amplifier board and/or controller board.

2. Electrical Storms

Power surges experienced during a lightning storm can cause catastrophic failures to electrical components.

3. Operator Error

A TigerStop should never be plugged in while the power switch is in the ON position. Also ensure that cables are never removed or plugged in while the TigerStop is on.

4. Things to Avoid

Make sure that TigerStop lines (power lines and controller cables) are not running across any venting systems, plastic pipes or over florescent lighting. If possible, do not place the TigerStop in close proximity to high frequency motors, plasma cutters, or welding areas.

5. Proactive Measures

Make sure that the TigerStop is grounded to the tables if the cutting material has a natural ESD (Electronic Static Discharge).

Install a line filter that is capable of handling up to 20 Amps on each TigerStop.

MAKE SURE that your TigerStop doesn't already have an internal line filter!

Install the TigerStop on a dedicated line. The TigerStop should be the only machine plugged into the outlet.