Arduino Laser Controller by Rockford Electronics and Arduino Group R.E.A.G.

GOAL

To build a laser controller for CNC, or 3d Printer for etching glass or cutting Mylar, or plastic.

The goal is to create a small footprint economically controller that can be adapted to any CNC or 3d Printer with minimal install and size. Controller is powered by an Arduino, and we are using the smallest 12v, 18 amp Power supply we can find. Mosfest's are being used to prevent overheating, and the Arduino is a Mini, and Nano's. We are also looking to adding an esp8266 Wi-Fi, and Possibly a Bluetooth. Depends on how big the unit gets.

Group Information

We are a small group of 3 people, who do this as a hobby. We also hold small workshops once a month to showcase to children 8-14 years old. We do have 1 laser currently but it's only used for light demos as its power is small. We have 3 3D Printers, 2 working and 1 currently needing a Laser Attachment. This unit is an ANET A8.

Your donation of a laser would be configured to work with the ANET A8, and used for show casing laser cutting, etching, and engraving.

Thank you for your consideration on the matter.

Tim Schmidt

REAG Member.