3D Metal Printing Proposal

Intro & Scope

Goals

Requirements

- Must use a wire feed welder

- Welder must have a Control System
  - Must measure weld temperature
  - Must measure weld current
  - Must use both previous parameters to estimate current quality of weld
  - Must use "G code" as inputs
  - And must control when material is being deposited

- Must

- Should allow for welder thermal shutdown

- May show amount of wire left on spool

Block Diagram