

Sputtering System Simard Power Supplies

- Disclaimer: I've never used this Sputtering System or even seen one of its guns.
Please speak up when I fall off the rails.
- URL: https://web.pa.msu.edu/people/edmunds/Simard_Sputtering_Supplies/Sputtering_Talk/
- Review: Voltage and Current Sources, and real power supplies with a Servo Loop
- Review: Glow Discharge and Arc Discharge, - see Wikipedia
- Look at the parts of the Gun and their connections to the Power Supplies
- The Filament & Anode Power Supply, the Target Power Supply
Mostly ignore the Target supply - it's a simple voltage supply
- Operating Modes of the Filament & Anode Power Supply
Two main modes, plus Local or Remote control of each, plus MSU mode
- Safety: This system uses high voltage high current power supplies
- Final proof that I don't know what I'm talking about