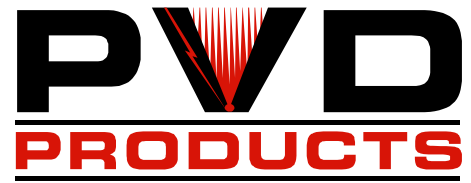
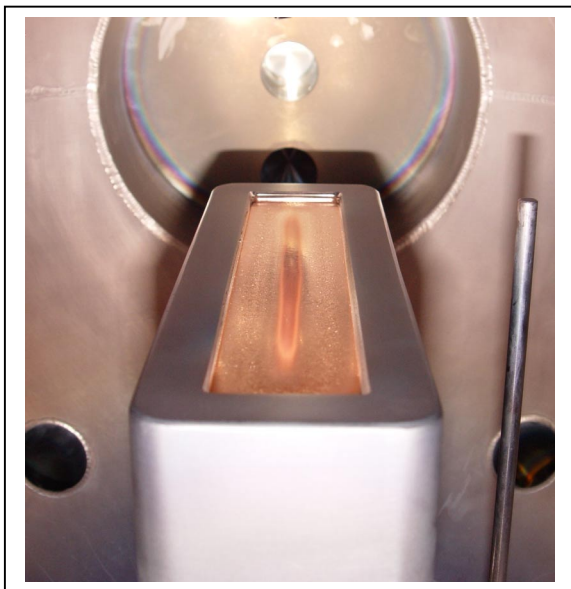


# Titan Planar Magnetrons Linear Sputter Sources



PVD Products offers a full line of linear magnetron sputter sources for your specific sputter deposition requirements. These magnetron sources are based on a field proven design-providing ease of use in a small volume with excellent target utilization and deposited film uniformity. PVD's linear magnetrons utilize high quality materials fully compatible with vacuum equipment down to  $10^{-8}$  Torr. The high strength Nd-Fe-B magnets are isolated from the water and are easily field replaceable. These sources operate with both RF and DC power supplies with the electrical connector style of your choice. Standard designs come mounted on a 0.75" diameter shaft. Alternatively, sources can be mounted to mate to customer specified tube or flange interfaces. Custom gas distribution, tilt mechanisms, and Z-stages are all available as options for providing maximum flexibility.



**Photograph of a PVD Products Linear Magnetron sputter source mounted inside a vacuum chamber.**



**Photograph of a pair of PVD Products Linear Magnetron Sputter sources with 8" x 1.5" copper targets and gas injection.**

## Linear Magnetron Source Features

- Operation with RF, pulsed DC, and DC power supplies
- Compatible with magnetic targets
- No target bonding required
- High strength Nd-Fe-B magnets
- Magnets isolated from water
- Adjustable Anode Gap
- Axial and right angle mounts available
- Operates over wide pressure range
- Bakeable to 200°C
- Standard 3/4" OD Shaft
- N, HN, or UFH Connectors
- Simple Target Changes

## Available Target Sizes:

5" x 1.5"	5" x 2"
6" x 1.5"	6" x 2"
8" x 1.5"	8" x 2"

Custom sizes available on request