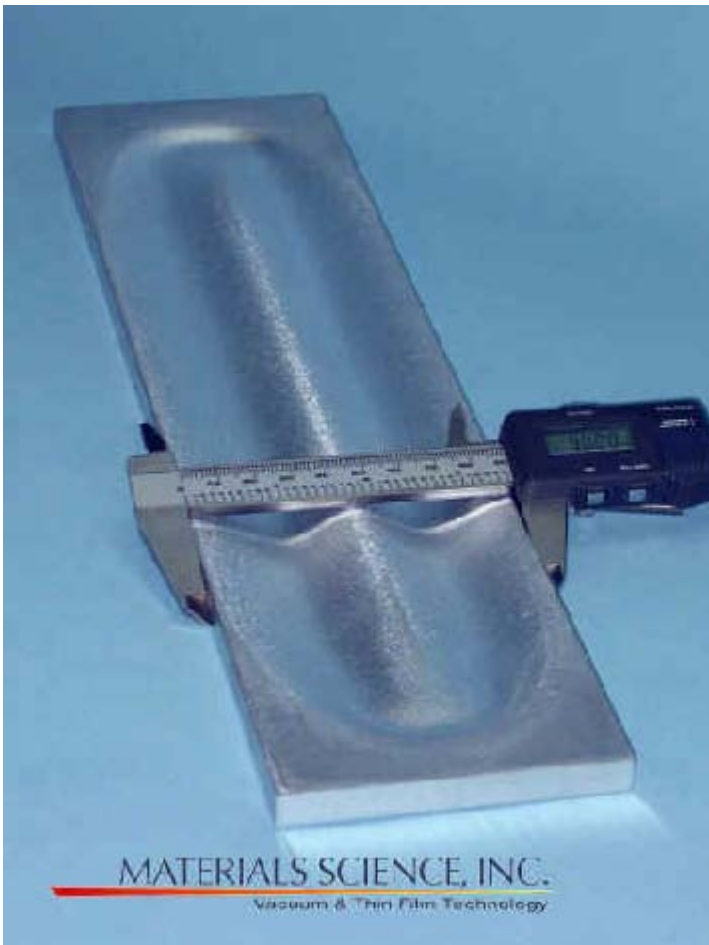


MATERIALS SCIENCE, INC.

Vacuum & Thin Film Technology

SunSource™ GEN II 90mm Wide Linear Magnetron Sputtering Sources



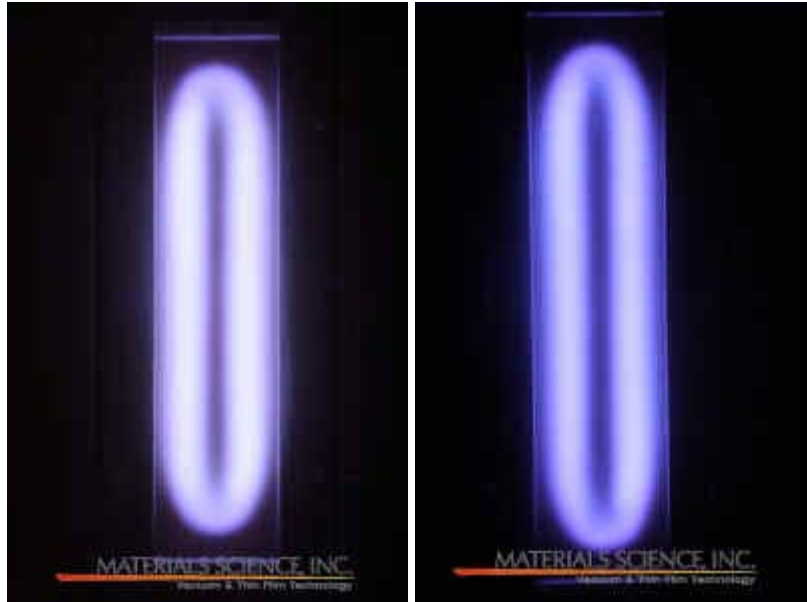
- 40 wt% Target Utilization - 10mm /0.40" thick targets
- Perfect for Sputtering Precious Metals
- Virtually No Center Redeposition
- Good Target Utilization Even at Very Low Power Levels
- Stable Operation Across a Broad Pressure Range
- Ideally suited for Small Vacuum Web Coaters – Distribution from Source More Easily Matched to Circumference of Chilled Drum. Cantilevered Internal Mount Version Available with Utilities Fed Through End of Source for Mounting on Source Flange.
- Cost-Effective Alternative to Small Rotatable Cylindrical Magnetrons
- Same Construction Features, Performance & Benefits as all other SunSource GEN II™ Sources
- Plasma Discharge is confined to region above target surface due to highly balanced magnetic design. No strong stray electromagnetic fields that promote arcing, substrate damage and heating from electron & ion bombardment, and sputtering of the source itself.

Custom Flange Mounted 90mm Source

SunSource GEN II™ sources consist of a basic sputtering module that can be integrated into a variety of source mounting schemes. External flange mount, internal mount and retrofit configurations are available with a variety of feedthrough and utility connection possibilities.

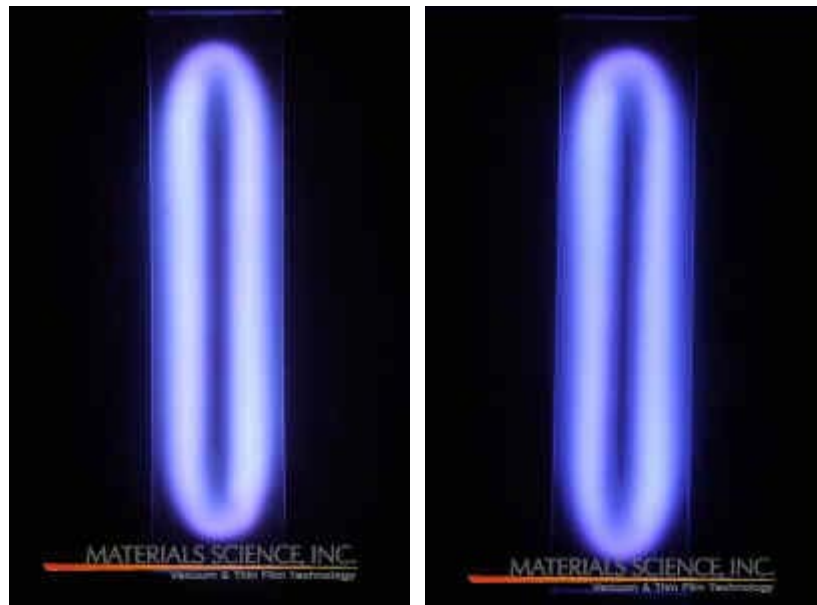


STABLE OPERATION ACROSS A BROAD PRESSURE RANGE



2 mTorr

10 mTorr



20 mTorr

40 mTorr



*Internal Mount 90mm Source
with top and side anode shields
installed.*

Materials Science, Inc.
1662 Los Altos Road
San Diego, CA 92109
Tel: (858) 483-3223

E-mail: sales@msi-pse.com