



CYLINDRICAL SPUTTERING TARGETS AND BACKING TUBES

Your Turnkey Solution for Cylindrical Magnetrons

In addition to a complete line of Cylindrical Magnetrons and Magnet Bar Retrofits, Angstrom Sciences offers a comprehensive selection of target materials and backing tubes.

SPUTTERING TARGET DESIGNS

Angstrom Sciences supplies a broad range of target designs for your cylindrical sputtering application. Including: Monolithic, Sprayed, Cast, Bonded, and Non-Bonded. Available from 3" - 10" diameters, and lengths up to 160"

CYLINDRICAL TARGET MATERIALS

Typical materials include:

| | | |
|----------------------|-----------------------------------|-----------------------|
| Aluminum (Al) | Chromium (Cr) | Copper (Cu) |
| Indium (In) | Indium Tin Oxide (ITO) | Molybdenum (Mo) |
| Niobium (Nb) | Nickel Chromium (NiCr) | Nickel Vanadium (NiV) |
| Silicon (Si) | Silicon Aluminum (SiAl) | Silver (Ag) |
| Stainless Steel | Tantalum (Ta) | Tin (Sn) |
| Titanium (Ti) | Titanium Oxide (TiOx) | Zinc (Zn) |
| Zinc Aluminum (ZnAl) | Zinc Oxide / Aluminum Oxide (AZO) | |
| Zirconium (Zr) | | |

BACKING TUBE DESIGNS

Angstrom Sciences also offers a patent pending design for custom Backing Tubes for Non-Bonded Targets, such as ITO, AZO and Molybdenum.

Standard Backing Tubes can be made for Sprayed, Cast or Bonded Targets.

QUALITY CONTROL

All materials are cleaned, inspected, chemically tested and packed under inert gas for immediate use in your vacuum system.

TOTAL COMMITMENT

Angstrom Sciences is dedicated to helping our customers develop the most productive and cost-effective thin film applications by providing the world's most advanced magnetrons, high quality deposition materials, and comprehensive technical support.

And we stand ready to ensure your satisfaction.

