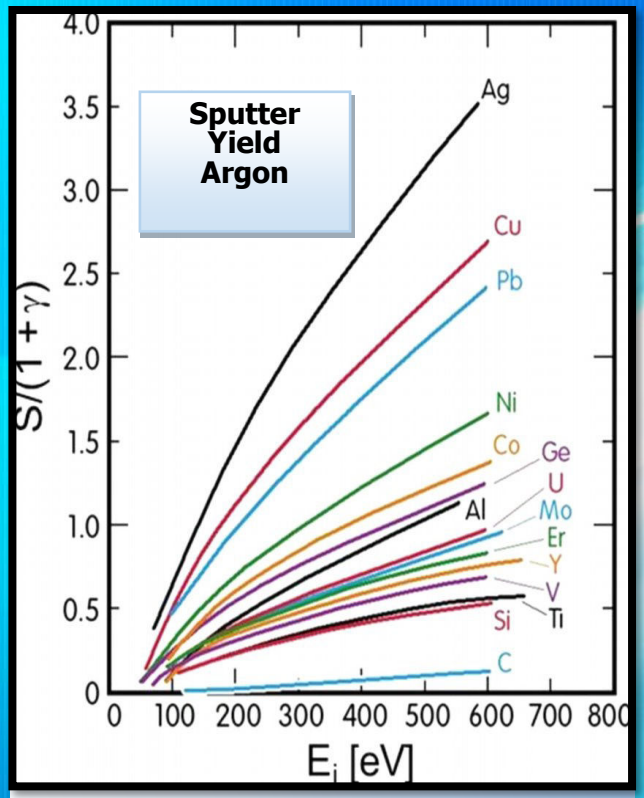
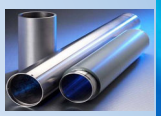


At your service:

Protech Materials is dedicated to supporting our customers with the level of quality materials, customer service and engineering support that is the hallmark of our company for the past 20 years. Servicing a number of industries and wide variety of applications we strive to ensure maximum customer satisfaction. Products and services including:



- **Metals, Alloys, Ceramics**
- **Sputter targets**
- **Bonding, Backing Tubes, Backing Plates**
- **Casting**
- **Engineering Support**

ProTech Materials

ProTech Materials

Consistent High Quality
Volume Capability
Flexible and very responsive
Strong new product development
Special materials
Expertise in Metallurgy, Ceramics and Sputtering
Cost advantage

Protech Materials Inc.
20919 Cabot Blvd.
Hayward, CA, 94545
Phone: 650-292-5435
Fax: 650-292-2172
E-mail: sales@protechmaterials.com

ProTech Materials

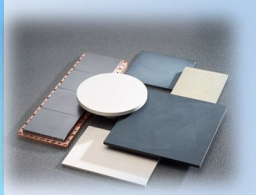
Your Connection to the World of Materials

Vacuum Coating Materials

Protech Materials Inc.
20919 Cabot Blvd.Hayward, CA, 94545
Phone: 650-292-5435
Fax: 650-292-2172
E-mail: sales@protechmaterials.com

Vacuum Coating

Protech Materials has been manufacturer and supplier of high quality, low cost materials since 1997. Located near San Francisco we have our corporate headquarters and main manufacturing facility that gives us ready access to markets all around the world.



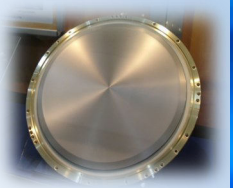
With our background and expertise in materials science we are well positioned to offer customers total solutions to most every materials requirements they have.

Among the many capabilities and offering we have are basically all materials for PVD, Sputtering, and Evaporation coating of substrates used in todays many applications of Vacuum coating.

These are specified by our customers, and:

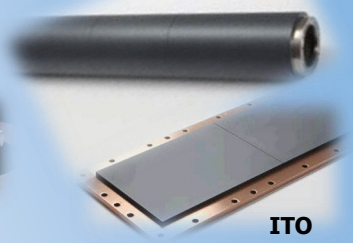
- We supply in many forms depending on application: Planar, Disc, Rotary, pellets, powder.
- We can provide backing plates or backing tubes to again meet customer requirements.
- Our bonding capabilities that we offer are: Indium, solder, and elastomer bonding of target materials in either planar or rotary form.
- We offer Casting of low temperature alloys in either rotary or planar form.

Our HQ in Hayward CA and partners are completely setup and equipped to supply high quality precision part, manufactured to exacting customer specifications. Years of experience with the metallurgy of these materials enable us to also offer assistance and guidance to our customers to help ensure the success of all applications.



Products:

Indium metal and Forms



ITO

Rotary and Planar Targets

Rare Earth Magnets

Evaporation Materials

Production:

Fabrication

Bonding

Recycling

Markets Served:

Display

InSn, In, ITO, IZO, Si, C, SiO Nb, Nb2O5 ZnO/Ga2O3…

Electronics

Ta, Ti, TiW, Al, AlSi, Cu, Si, Cr, NiFe, NiV, NiCr……

Wear Resistant

TiAl, Ti, Nb, Ta Cr, AlCr, CrNi Mo,TiC, BC, SiC W, WC, Zr…..

Glass Coating and Window Films

ITO, InSn, Cr, Sn, Ti, TiAl, TiOx, Zn, ZnAl, ZnSn, SiAl, SiZr, Zr, ZrOx…

Solar

CuInGa, CuGa, In, InNa, Mo, MoNa, Nb, Cr, Ti, CdS, CdSn, ZnO/Al2O3 CdTe, NaF

Optical

Y2O3, Gd2O3, ITO, SiO, Ta2O5, Nb2O5, HfO, MgO, ZnS, TiO2, ZnO, Ta, Nb,…….

Quality:

- ISO 9001:2008 Certified
- Analytical techniques to ensure purity and composition accuracy:
  - ICP
  - LECO
  - GDMS
  - Titration

- Microscopic analysis to achieve good uniformity in target grain size and microstructure to ensure good film uniformity
- 4 point probe to monitor electrical properties of targets

- Ultrasonic scan to detect bonding and material defects for both planar and rotary targets
- Various metrology tools to ensure dimensional accuracy
- Well established and competitive supply chain
- Business continuity plan in place

ProTech Materials ISO 9000 Registered

Your Connection to the World of Materials