Providing Targeted Solutions for Thin Film Applications

SCI Engineered Materials®
As a global supplier of advanced materials, SCI Engineered Materials develops innovative and custom material solutions for the commercial success of customers.

We value open and consistent communication with our customers, delivering our products on time, and finding creative solutions to maximize our value add to your supply chain.
R&D and manufacturing facilities are located in Columbus, Ohio USA.

A recognized leader in the development of materials used to increase Solar PV cell efficiency.

Continuing to develop new materials for emerging applications including:
- Buffer Layers
- Decorative Coatings
- Solid State Memory
- Precious Metal Alloys for Optics
Major Markets Served

- Photonics
- Optics
- Solar Photovoltaic
- Roll to Roll (Flexible Substrates)
- Automotive
Uniquely Equipped for Metals

With experience supplying...

- Copper
- Aluminum
- Titanium
- Tantalum
- Niobium
- Zirconium
- Iridium
- Rhenium
- Palladium
- Indium
- Magnesium
- Ruthenium
- Silver
- And more!
and Ceramics.

Spray Dry  Hot Press  Sintering  Machining

Custom Powders  Thermal Spray  Bonded Assemblies

Manufactured Materials Include...
AZO
ZTO
WO3
MgO
ZMO
ZnOS
ZnS
BaZrO3
TiOx
BST
SnO2
Industry Leading Bonding Technology

SCI Engineered Materials provide precision machining of backing plates & tubes to Customer or OEM specifications.

Backimg plates & tubes are available in various materials including:
- Copper
- Molybdenum
- Stainless Steel
- Titanium

SCI has provided Indium Bonding services on planar targets for more than 20 years. We have expanded our bonding capabilities to include a service center for Rotatable Indium Bonding in China.
Quality Control Capabilities

Zeiss CMM

Thermo Scientific XRF

Rigaku XRD

Mistras Rotatable Ultrasonic C-Scan

Additional Equipment Includes:
- Mistras Planar Ultrasonic Scanner
- Quantachrome powder surface area analysis
- Sedigraph particle size analysis
- Sartorius Moisture Analyzer
Analytic and Development Capabilities

Additional Equipment Includes:
- Linseis DTA
- LECO carbon analyzer
- Hitachi U-4100 Spectrophotometer
- Veeco Dektak 6M Profiler

In-line Development Sputtering System
Hummer Sputtering System
Zeiss SEM with EDS capability
SCI isé é ..

Â An advanced material innovator with over 30 years of experience in advanced material development and commercialization.

Â A global supplier, servicing several PVD markets including Solar, Automotive, Roll to Roll, Optics, and Photonics.

Â An innovator that co-develops materials to meet customer expectations.

Â The Company that you should have full confidence in, to supply you with your sputtering material needs.