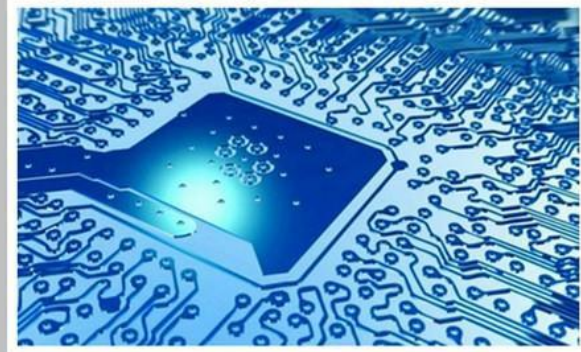


# Introduction planar and rotary sputter targets



# Technology accumulation

- A variety of production techniques and equipment (cold isostatic pressing + various atmosphere sintering technology, spraying technology, low temperature metal / alloy centrifugal casting technology, vacuum hot pressing sintering technology, hot isostatic sintering technology, electron beam melting / regional melting Purification technology, etc.)
- Product diversity
- Customized service of the product
- Waste target recycling and reuse technology
- Self-owned intellectual property target bonding service, binding target can achieve high power sputtering
- Perfect product sales service system
- Provide accurate material application and technical support

## Core Technology

- Thin film layer design and material application design
- Powder material synthesis technology
- Ultrafine powder dispersion and dispersion technology
- DCC and CIP material forming technology
- Various types of atmosphere protection and sintering technology
- Metal and ceramic friction welding technology
- Centrifugal casting and precision metal alloy processing
- Plasma spray material manufacturing and surface treatment technology

## Application field

- Functional coatings or Tools coating
- Decorative coatings
- Photovoltaic
- Energy-saving(Low-E) glass Industrial electronics Display touch screen Semiconductor
- Wear Resistance

# Construction and automotive glass industry

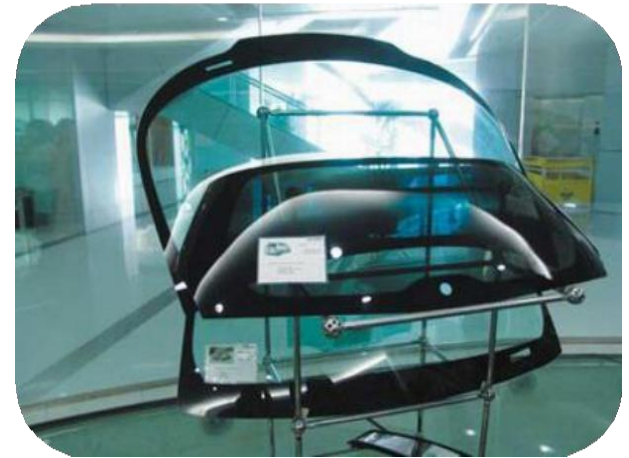
## Field

- **Construction Glass**
- **Car windscreen**
- **Electrochromic glass**

## Sputtering Targets

Planar target / Rotating target

- Al, Ag, Cr, Cu, Sn, Si
- Ti, Zr, TiO<sub>x</sub>, SS, AZO, Sn, NiCr, SiAl, ZnSn, ZnAl
- NbO<sub>x</sub>, AZO, W<sub>2</sub>O<sub>3</sub>, TZO, ZrO<sub>x</sub>





# Touch screen display and decorative coating industry

## Field

- Touch screen (mobile phone, touch screen)
- Display
- Decorative coating

## Sputtering Targets

Planar target / Rotating target

- Al, Ag, Cr, Cu, Si, NiCr, SiAl, InSn
- Ti, Zr, MoNb, AlNd, Mo, MoAlMo, IGZO, ATO
- NbOx, ZrOx, TiOx, CrAl, CrAlSi, TiAl, CrSi



# Photovoltaic industry products

## Field

- Si-based thin film solar cell
- CIGS thin film solar cell
- Cadmium telluride solar cell

## Sputtering Targets

Planar target / Rotating target

- Al, Ag, Cr, Cu, Si
- Mo, CuGa, CuGaNa, MoNa, AZO, TZO, ZnO
- NiCr, SiAl, CdS, CdTe
- NbOx, AZO, TZO, ZrOx, TiOx, ZnO, GZO



# Product Display

