FLEXVUE™

FILMS WITH TECHNOLOGY INSIGHT

CAPABILITY: SPUTTERING

Flexvue™ employs the most advanced technology available in sputter coating, including the capability to sputter at 2 meters wide. An extensive range of metals, alloys, and oxides can be applied to various film bases depending on product requirements. Flexvue operates multiple production coaters as well as pilot coaters for product research and development.

TYPICAL APPLICATIONS

- Electronic Displays (LCD, EP, OLED)
- Touch Screens / Pen Entry
- Smart Windows
- Photovoltaic Solar Modules
- EMI / RFI Shielding
- Medical Sensors

SERVICES

Flexvue can provide sputter coating services with the following materials:

- **Metals:** Titanium, aluminum, copper, silver, zirconium, gold, palladium, platinum, and others
- **Alloys:** Stainless steel, nichrome, inconel, and others
- **Oxides:** Tin oxide, indium tin oxide, indium oxide, silicon dioxide, and others

- **Range of Deposits:**
  - Coating Thickness ..... 5 to 3000 angstroms
  - Light Transmission ..... 94% VLT to opaque
  - Optical Density ..... 0.023 to 4.0
  - Resistivity ..... 0.03 to 2000 ohms per square
- **Substrate Thickness** ..... 48 gauge to 1000 gauge (12 to 250 microns)
- **Roll Dimensions** ..... Widths 1” to 80”; 24” max. O.D.

MATERIALS

Sputter coating, unlike conventional metallization, does not require high temperatures, which means it can be used for a greater variety of materials. Available substrates include:

- Polyester (PET)
- Polyethylene Napthalate (PEN)
- Kapton® (registered trademark of DuPont)
- Ultem® (registered trademark of G.E. Sabic Innovation Plastics)
- Cellulose Tri Acetate (TAC)
- Cyclo Olefin Polymer (COP)

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Solutia™