

Eastman FLEXVUE™

films

Capability: sputtering

Flexvue uses the most advanced technology available in sputter coating and has machines capable of sputtering from 0.3 to just over 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 and has experience with a wide range of materials:

- **Metals:** Titanium, aluminum, copper, silver, zirconium, gold, palladium, platinum, and others
- **Alloys:** Stainless steel 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	1.0 to 2000 ohms per square
Substrate thickness	48 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. We have experience with a wide range of substrates including:

- Polyester (PET)
- Polyethylene naphthalate (PEN)
- Kapton®
- Ultem®
- Cellulose triacetate (TAC)
- Cyclo olefin polymer (COP)



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