

Indium Tin Oxide (ITO)

Product Introduction

ITO is used as transparent conductive oxide (TCO) in various industrial applications, including flat panel display (FPD), touch panel, photovoltaics (PV), LED and micro-LED, as well as special low-E applications.

Benefits

- High physical density and chemical purity
- Available in rotary, planar, tablet, granulate and powder
- Precision CNC machining enables nearly endless geometries/sizes
- Qualified at major tool OEM's
- In-house application technology group assisting customers with product improvements
- Complete vertical integration and process control: starting materials to final product
- Recycling program/services available for end of life targets and production waste

Product	ITO Rotary Target	ITO Planar Target	ITO Tablet	ITO Powder
Composition(wt%): In ₂ O ₃ :SnO ₂	90:10 92.5:7.5 93:7 95:5 97:3	90:10 92.5:7.5 93:7 95:5 97:3 98:2	83:17 90:10 95:5	90:10 92.5:7.5 93:7 95:5 97:3
Purity	99.99%	99.99%	99.99%	99.99%
Density	≥7.13g/cm ³	≥7.13g/cm ³	40-70%	/
Size*	Total Length ≤4000mm	Max. tile size ≤1080x290mm ≤Ø450mm	Typical size Φ25x10mm*	/

*Custom size/shape available on request

Recycling

Vital Thin Film Materials (VTFM) has the capability to recycle most Indium containing waste, including spent ITO targets, chamber/shield scrap and Indium containing liquids. Contact us to learn more about our unique recycling capabilities.

VTFM is ISO9001, ISO14001, ISO14021 and OHSAS18001 certified.

