

Indium Gallium Zinc Oxide (IGZO)

Product Introduction

Used as an active channel layer in thin-film transistor (TFT) structures, IGZO offers increased mobility enabling larger high-resolution displays with ultra-low power consumption for LCD, OLED or MEMS applications.

Benefits

- High physical density and chemical purity
- Available in rotary, planar and powder
- Precision CNC machining enables nearly endless geometries/sizes
- 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	IGZO Rotary Target	IGZO Planar Target	IGZO Powder
Composition (wt%): In_2O_3 : Ga_2O_3 : ZnO	44.2 : 29.9 : 25.9	44.2 : 29.9 : 25.9	44.2 : 29.9 : 25.9
Purity	99.99%	99.99%	99.99%
Density	$\geq 6.31\text{g/cm}^3$	$\geq 6.31\text{g/cm}^3$	/
Size	Max. total length $\leq 4000\text{mm}$	Max. tile size $\leq 1100 \times 280\text{mm}$	/

*Custom size/shape available on request

Recycling

Vital Thin Film Materials has the capability to recycle most Indium containing waste, including spent IGZO 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.

