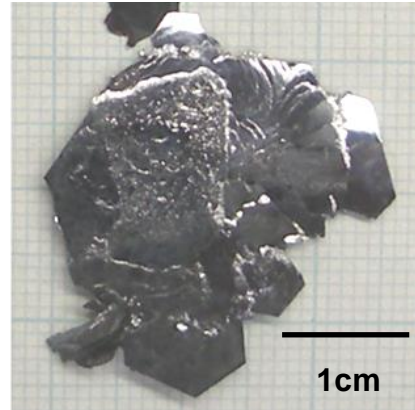


LiCoO₂

Single Crystal of Cathode Material for Rechargeable Battery

Features

- ✓ Excellent Crystallinity
- ✓ Large Foil (flux growth)
- ✓ Oriented Bulk (FZ growth)



LiCoO₂ single crystal

Applications

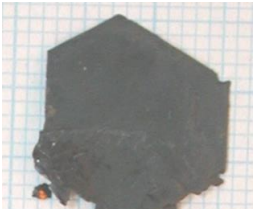

Tablets and Smartphones



Electric Vehicles



Specification

LiCoO ₂		Growth method	Size	Surface
Foil		flux	Diameter ≥ 10mm Thickness ≤ 50μm	(001) Oriented as grown
Bulk		FZ (floating zone)	Rectangular 2 ~ 5 mm	To be discussed

OXIDE

OXIDE Corporation

1747-1 Maginohara, Mukawa, Hokuto, Yamanashi 408-0302 JAPAN
Tel: +81-551-26-0022, Fax: +81-551-26-0033

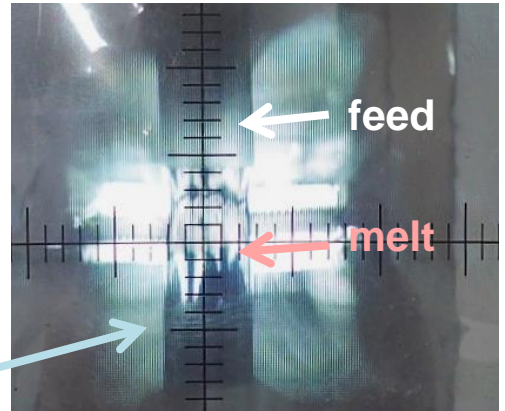


✉ Sales@opt-oxide.com

🌐 <https://www.opt-oxide.com>

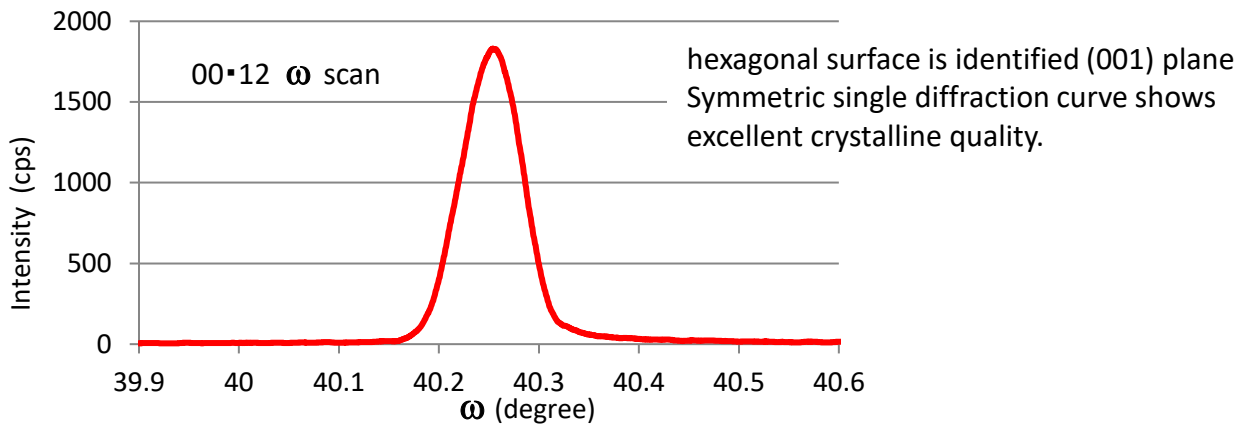
🐦 **Oxide Yamanashi**

LCO bulky mono-crystal grown by the FZ method

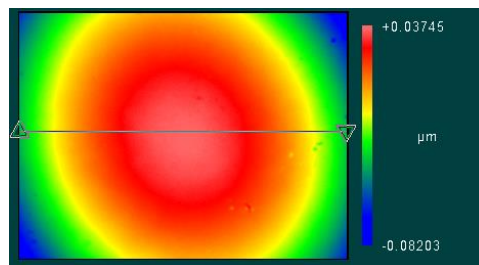
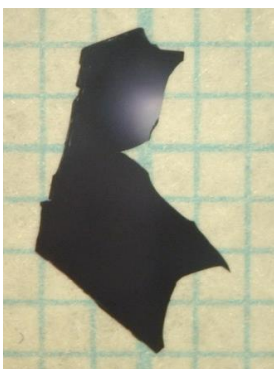


grown single crystal

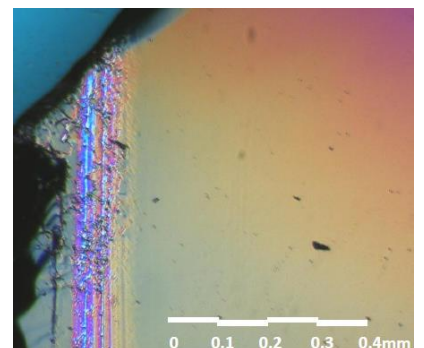
X-ray rocking curve of flux grown LCO



Surface micro-topograph of flux grown LCO



Macroscopic diffract meter Image
Area: 190μm x 140μm,
PV: 119nm, Ra: 20nm



differential interference
contrast microscope (DIC)

OXIDE

OXIDE Corporation

1747-1 Maginohara, Mukawa, Hokuto, Yamanashi 408-0302 JAPAN
Tel: +81-551-26-0022, Fax: +81-551-26-0033



✉ Sales@opt-oxide.com

🖥️ <https://www.opt-oxide.com>

🐦 Oxide Yamanashi