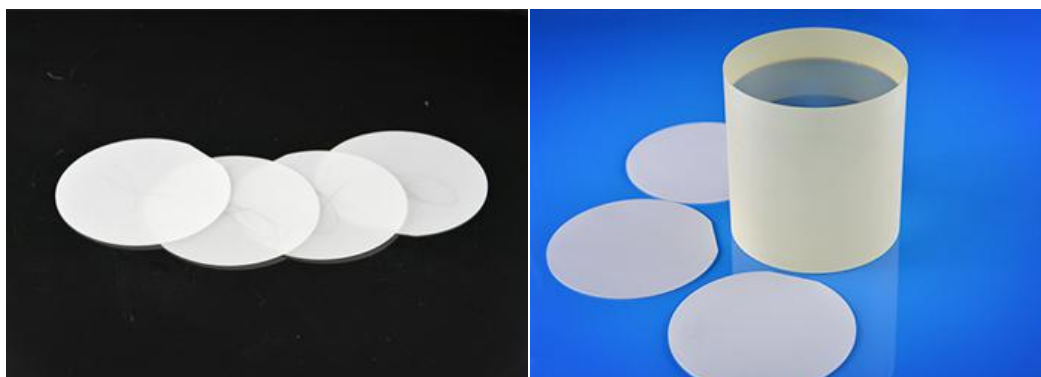


Optical grade LiTaO3 wafers

- Quasi-phase matching for SHG and OPO
- Pyroelectric Infrared Detectors
- Optical fiber communications applications

Hangzhou Shalom EO offers the Optical grade LiTaO3 wafers/crystals/substrates and **Optical grade LT wafers/crystals/substrates**, advanced facilities are equipped for crystals growing, wafer cutting, wafer lapping, wafer polishing and wafer checking.



Optical grade LiTaO3 wafers

Orientation	Z-cut $\pm 0.2^\circ$
Diameter	76.2mm ± 0.3 mm
Orientation Flat (OF)	22mm ± 2 mm Perpendicular to X $\pm 0.2^\circ$
Second Refer Flat (RF)	10mm ± 3 mm Cw270 $^\circ \pm 0.5^\circ$ from OF Cw315 $^\circ \pm 0.5^\circ$ from OF
Thickness	500 μ m $\pm 5\mu$ m 1000 μ m $\pm 5\mu$ m
Surface	Double sides polished S/D 20/10
TTV	$\leq 10\mu$ m
WARP	$\leq 50\mu$ m
Curie Temperature	605 $^\circ$ C $\pm 0.7^\circ$ C (DTA method)
Edge Beveling	Edge rounding

Note, other type of customized LT wafers or substrates are available upon request.