

LBO晶体是一种优良的倍频晶体，是目前应用比较广泛的一种倍频器件，其晶体内部光学均匀性良好、透过波段比较宽，比具有较高的匹配效率和激光损伤阈值。

LBO crystal is an excellent frequency doubling crystal. It is a kind of frequency doubling device which is widely used at present. Its internal optical uniformity is good, the transmission band is wider, and the ratio has higher matching efficiency and laser damage threshold.

主要特点 Features

- 高功率掺 Nd,Ti:Sapphire 激光的二、三倍频

Frequency doubling and tripling of high peak power pulsed Nd doped, Ti:sapphire and Dye lasers

- 一类和 2 类相位匹配的光学参数振荡器 (opo)

Optical parametric oscillators(OPO)of both type 1 and type 2 phase-matching

- 用于连续波和准连续波辐射变频的非临界相位匹配 Non-critical phase-matching for frequency conversion of CW and quasi-CW radiation

应用领域 Applications

- 晶体长度最大 50mm，孔径最大 40X40mm

Crystals length up to 50 mm and aperture up to 40x40mm

- 可做厚度小于 10 μ m 的薄晶体

Thin crystals down to 10 μ m thickness

- 镀膜 AR, BBAR, P 膜

AR, BBAR, P-coating

- 不同的安装和重新抛光服务

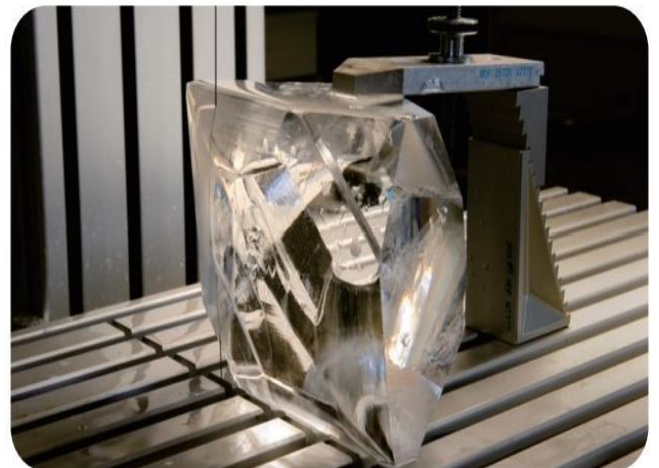
Different mounting and re-polishing services

- 严格的质量控制

Accurate quality control

- 价格优势，备货充足

Attractive prices and fast delivery



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性能参数:

Flatness	$\lambda/8$ at 633nm
Parallelism	≤ 20 arcsec
Wavefront Distortion	$\lambda/8$ @633nm
Surface Quality	10-5
Perpendicularity	≤ 5 arcmin
Angle tolerance	$\Delta\theta, \Delta\phi \leq \pm 0.5^\circ$
Dimension tolerance	± 0.1 mm
ClearAperture	90% of central area
Damage Threshold	3GW/cm ² 1064nm TEM00 10ns 1Hz 1GW/cm ² CW mode-locked