

Company Introduction

Shanghai OptoTech Crystal Materials Co., Ltd. was established in 2014, specializing in the research, development, processing, and sales of optical crystals, electronic and semiconductor materials, laboratory equipment, components, consumables, and more.

Key Products: Optical Crystals and Processed Components

Laser Crystals:

Nd:YAG, Cr⁴⁺:YAG, Yb:YAG, Tm:YAP, Ho:YAG, Ho:YAP, Er:YAG, Er:glass, Nd:YLF, Nd:YVO₄, Ti³⁺:Al₂O₃, and bonded crystals.

Scintillation Crystals:

Ce:LuAG, Ce:GAGG, Ce:YAG doped with cerium.

Piezoelectric Crystals:

BaTiO₃, quartz, PMN-PT, LiTaO₃, LiNbO₃, LGS.

Magneto-optical Crystals:

TGG, TSAG, TLF, KTF, CeF₃, YIG.

Acousto-optic Crystals:

TeO₂.

Birefringent Crystals:

YVO₄, α -BBO.

Nonlinear Crystals:

β -BBO, KDP, DKDP, LBO, KTP, PPLN.

Single Crystals:

Al, Cu, Mg, Ni.

Single Crystal Substrates:

Al₂O₃, GGG/NGG/SGGG, LSAT, LaAlO₃, MgO, MgAl₂O₄, SrTiO₃, YSZ, TiO₂.

Ceramic Substrates:

Si₃N₄, Al₂O₃, AlN, ZrO₂.

Special Glasses:

ITO glass, FTO glass, AZO glass.

Sputtering Targets:

Single crystal, metal, alloy, ceramic, compound, rare earth targets.

Gemstones:

Ruby, sapphire, emerald.

Semiconductor Materials:

Quartz, diamond, GaAs, Si, Ge, ZnO, AlN, GaN, GaO, SiC, LiTaO₃, LiNbO₃, and more.

Optical Components:

Windows, filters, lenses, prisms, mirrors, beam combiners, beam expanders, wedges, bonded mirrors, etc., using materials such as BK7, K9, quartz glass, sapphire, Si, Ge, ZnSe, CaF₂, MgF₂, BaF₂, ZnS, etc.

Optoelectronic Pockels Cells:

BBO, KDP, DKDP, LN/MgO:LN, LGS, KTP, RTP.

Optical Isolators:

Positive- and negative-unbiased isolators, near-infrared to visible free-space isolators, online isolators, ring isolators, etc.

Light Modulators:

LiNbO₃ phase modulator, fiber-coupled acousto-optic modulator, spatial acousto-optic modulator, acousto-optic Q-switch, acousto-optic filter, acousto-optic deflector, acousto-optic driver.

Special Optical Fibers:

Special quartz fibers, single fibers, fiber bundles, fiber couplers, fiber collimators.

Optical Platform Components:

Optical platforms, translation stages, mirror mounts, educational experiment modules, etc.

Laboratory Equipment:

Spectrometers, power meters, lasers, pulsed xenon lamps, research furnaces, performance testing equipment, consumables, etc.

Shanghai OptoTech has a dedicated team for research, development, processing, and sales. Its products find wide applications in laser processing, new energy vehicles, photovoltaics, optical communications, aerospace, shipping, nuclear detection, medical aesthetics, consumer electronics, power, environmental protection, research, and more. The company adheres to the principles of "customer-centricity, quality first, and excellent service," providing customers with high-quality products and comprehensive solutions. It continuously enhances service quality and customer satisfaction, fostering collaborative development with its clients.