

Laser Crystals & Optics



We offer common host crystals such as YAG (Yttrium aluminum garnet) or YVO4 (Yttrium orthovanadate) with various dopants such as Neodymium, Ytterbium, Erbium and Chromium. The ready to use (coated) or uncoated laser rods are manufactured to the highest standards of our crystal technology. All of Laser Components' AR coatings are optimized for high power lasers and are available for the wavelength range from 193 nm to 3000 nm.

Both the bandwidth (depending on the wavelength) and the effectiveness of the coating can be influenced by the various designs and different coating materials. Thus, the optimal coating for each application can be made available. Custom sizes, polished, unpolished, coated and uncoated crystals are available upon request. Please provide us with your detailed specs or drawing so we can provide our most competitive offer.

NLO CRYSTALS

LBO
BBO
KTP

GTR-KTP
RTP
KTA

Bi8306
LiNbO3
MgO:LiNbO3

KD*P & KDP
LiIO3

LASER CRYSTALS

Nd:YVO4
Nd:GdVO4
Nd:YAG
Cr4+:YAG
Ho:Cr:Tm:YAG

Nd:Ce:YAG
Yb:YAG
Er:YAG
Ce:YAG
Ti:Sapphire



Nd:GGG
Nd:YLF
Tm:YLF
Ho:YLF
Nd:KGW

Yb:KGW
Er:YAP
Forsterite
Alexandrite
Er:Cr:YSGG
Diffusion Bonded Crystals

ACOUSTO-OPTIC CRYSTALS AND ELECTRO-OPTIC CRYSTALS

LiTaO3

LiNbO3

BIREFRINGENT CRYSTALS

YVO4

a-BBO

LiNbO3

SCINTILLATION CRYSTALS

CsI

YAG(Ce)

NaI(Tl)

LaCl3(Ce)
LaBr3(Ce)

MAGNETO-OPTICAL CRYSTALS

TGG

TSAG



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