

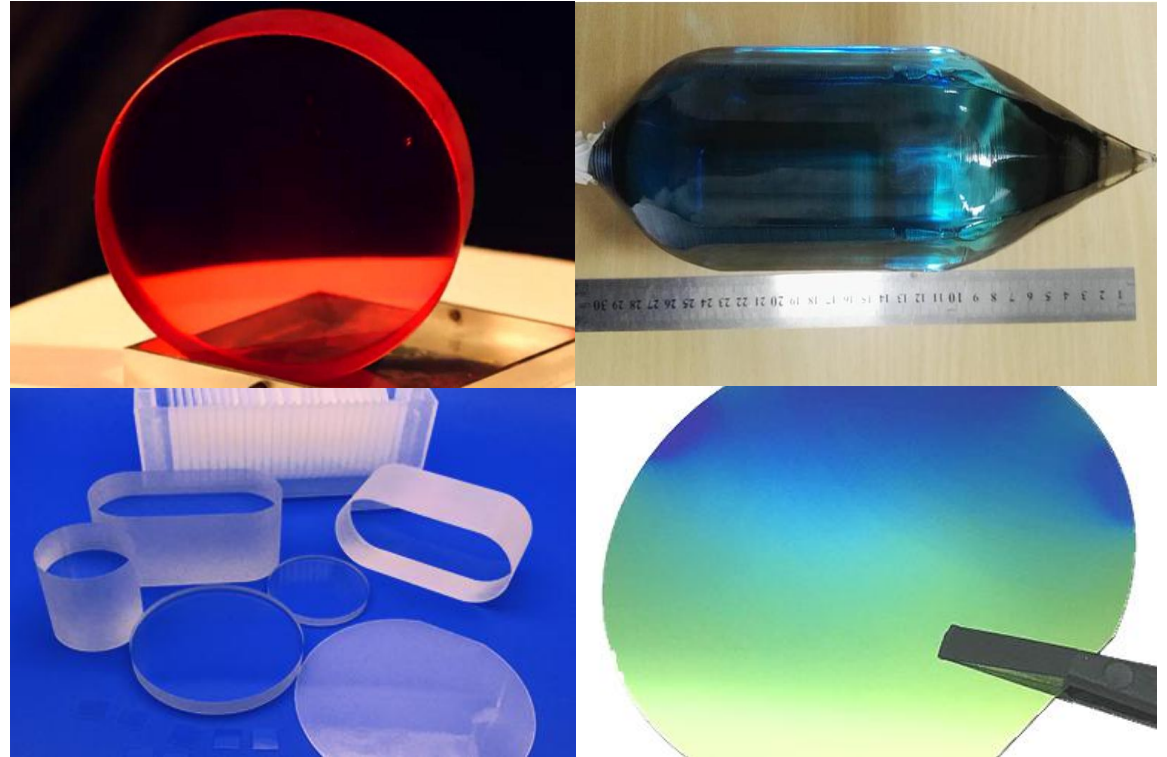


CASCRYSTECH
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CasCrySTech(CCT)

Globally supply crystals for lasers, nonlinear applications, photoelectricity, scintillation, semiconductors and optical windows, devices and related technical solutions.

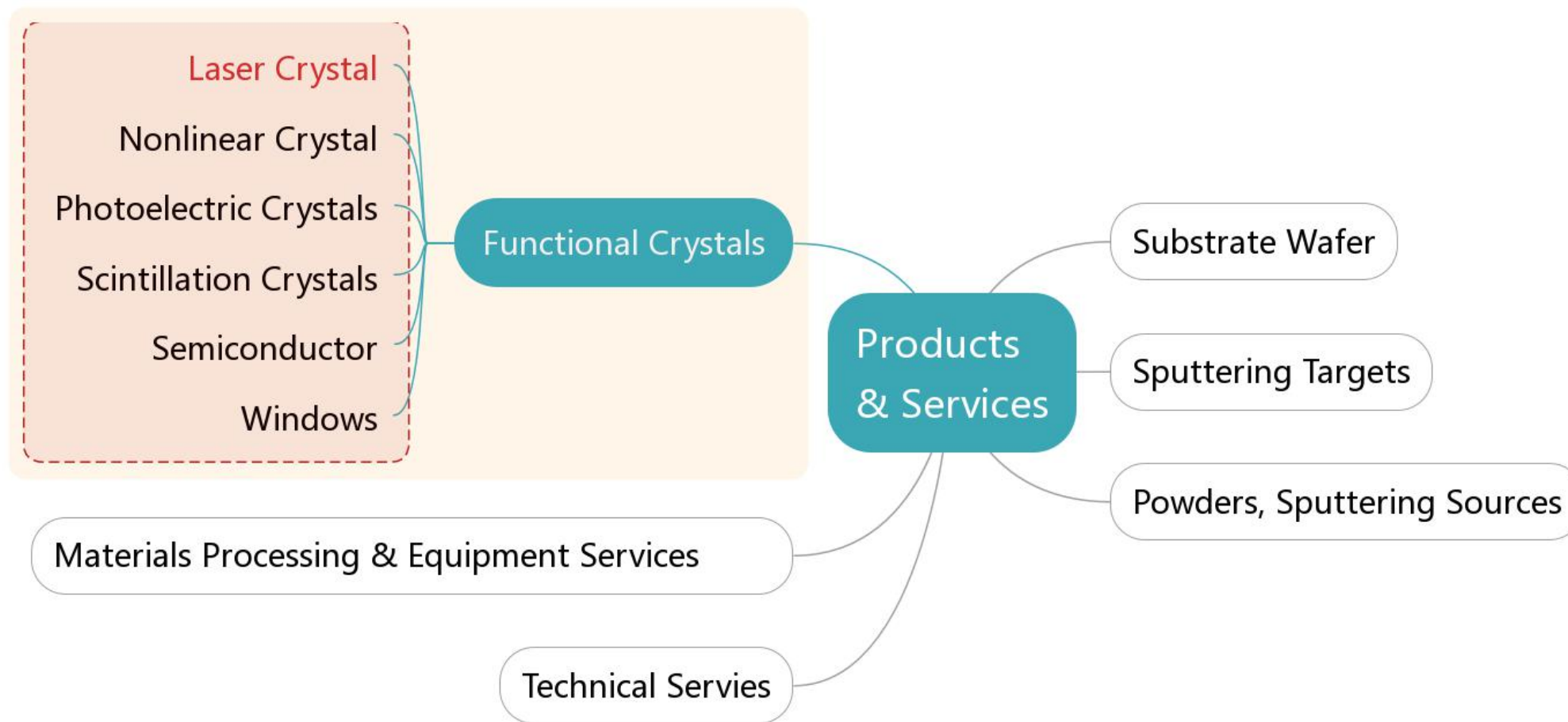
Products Brief





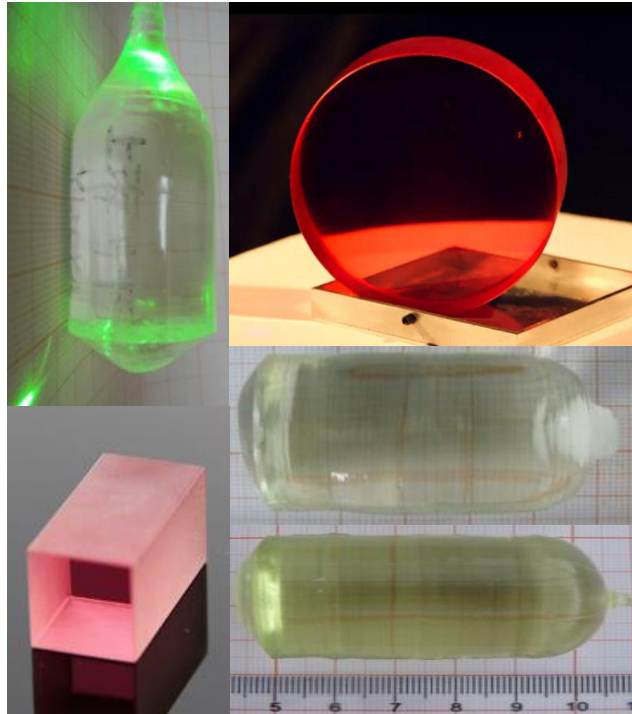
Category

You **CONCENTRATE** on research
We supply functional crystals, substrates, devices, etc.





Functional Crystals, Metal Crystals



Laser				Photoelectric		Semiconductor	
Ti:Al ₂ O ₃	Yb:YAG	Nd:YAG	Er:YAG	LiNbO ₃	LiTaO ₃	Si	Ge
Ho:YAG	LiSrAlF ₆	LiCaAlF ₆	<i>x</i> :LiYF ₄	BaTiO ₃	SiO ₂	SiC	ZnO
<i>x</i> :LiLuF ₄	<i>x</i> :LaF ₃	<i>x</i> :KYF ₄	<i>x</i> :BaY ₂ F ₈	TeO ₂	TiO ₂	GaAs	
<i>x</i> =Nd, Yb, Er, Ho, Tm (one or two dopped)				PMNT/PIMNT			
Optical Window				Nonlinear		Scintillation	
Al ₂ O ₃	LiF	MgF ₂	CaF ₂	LiNbO ₃	LiTaO ₃	BGO	Ce:YAG
BaF ₂	YAG	Ge		KTP		Ce:YAP	CaWO ₄
						Metal Crystals	
						Al	Cu

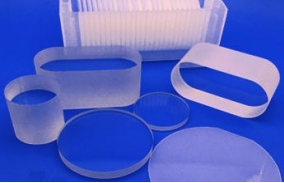
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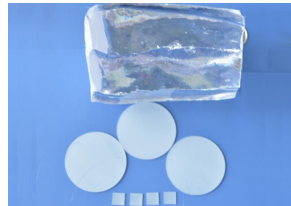
- **40+** years of crystal growth, processing experiences
- Products been applied in the industry, universities and research institutes



Substrates

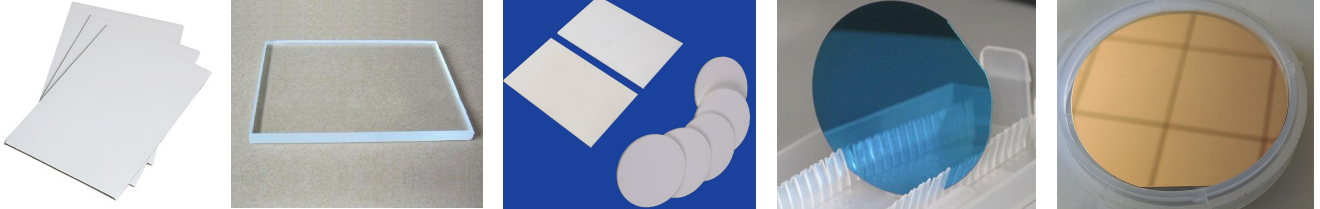
From Ingot to finished wafers

① Crystal Substrates	Semiconductor				HT Superconducting			Magnetic and Ferroelectric			
	MgO	MgAl ₂ O ₄	MgAl ₆ O ₁₀	LiAlO ₂	MgO	LaAlO ₃	LaSrAlO ₄	MgO	SrTiO ₃	Fe:SrTiO ₃	Nd:SrTiO ₃
	ZnO	GaN	SiC	Al ₂ O ₃	KTaO ₃	MgAl ₂ O ₄	NdGaO ₃	LaAlO ₃	TGG	TiO ₂	GGG
	Ge	Si	GaAs	InP	YSZ	SrTiO ₃	YAlO ₃	(La,Sr)(Al,Ta)O ₃			
	InAs	InSb			(La,Sr)(Al,Ta)O ₃						



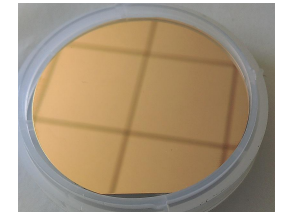
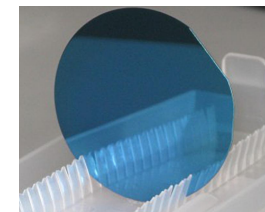
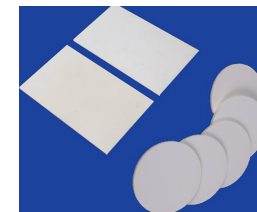
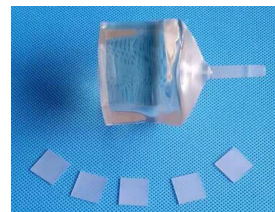
Halide Crystal		
NaCl	KCl	KBr



② Special Substrates	Ceramic/Glass				Coated Wafers		
	Al ₂ O ₃	AlN	Si ₃ N ₄	YSZ	Pt/Ti/SiO ₂ /Si	Au/Cr/Si	SiO ₂ /Si
	ITO	FTO	AZO				

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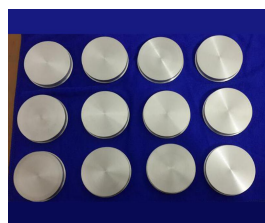
[more on website >>>](#)





Sputtering Targets

Metal Targets	Alloy Targets	Ceramic Targets	Monocrystal Targets
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[more >>>](#)

Powders, Sputtering Sources

be customised upon request

Metal Oxide	Sulfides	Fluorides	Nitrides	Metals
Al_2O_3 , CeO_2 , Cr_2O_3 , HfO_2 , In_2O_3 , ITO, MgO, $\text{La}_2\text{Ti}_2\text{O}_7$, Nb_2O_5 , Ta_2O_5 ...	ZnS, ZnSe	AlF_3 , BaF_2 , CeF_3 , LaF_3 , LiF, MgF_2 , YF_3 , Na_3AlF_6 , YbF_3	AlN, BN, Si_3N_4	Al, Cr, Cu, Ge, Ni, Si, Sn, Ti

[more >>>](#)



About us

- **Strong Technical Team(7 Professor/PhD form Chinese Adademy of Sciences)**
- **Design and processing products according to client's requirements**
- **Open to coorperation on products, project and business**

Be different, to grow with you
Be your science & technology partner

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