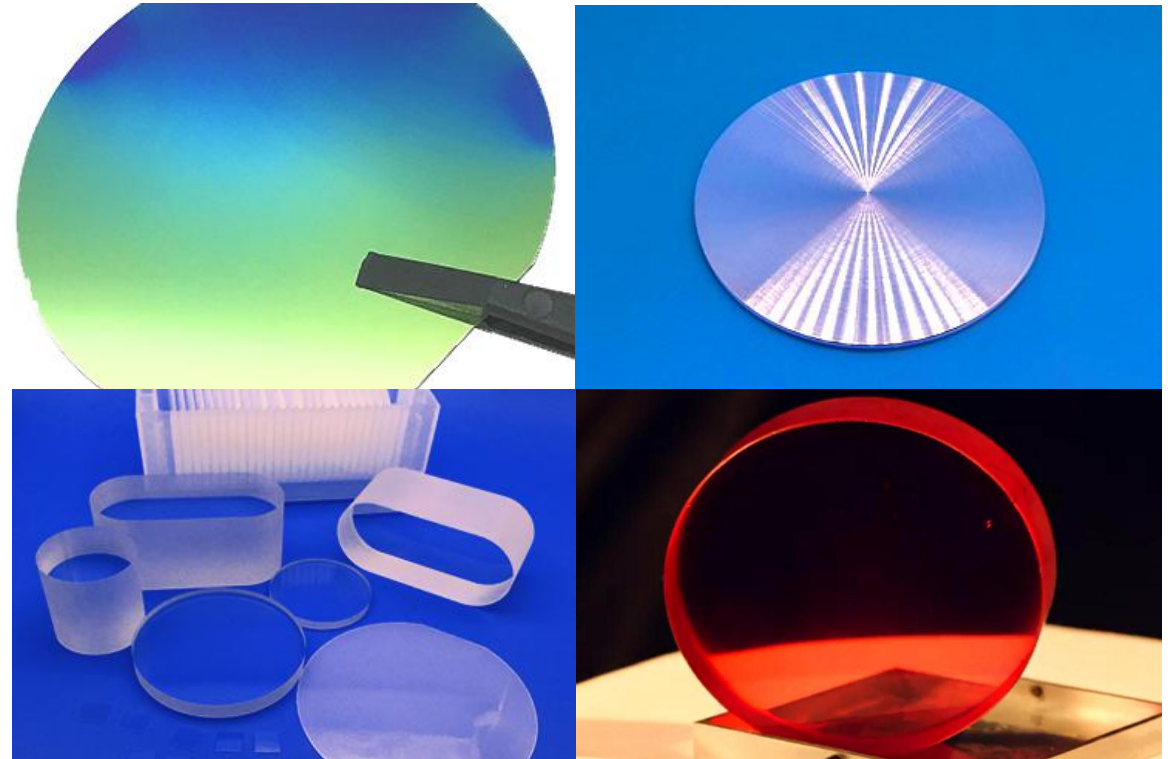




**CASCRYSTECH**  
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[www.cascryst.com](http://www.cascryst.com)

**CasCrySTech(CCT)**  
**A global supplier of crystal substrates, sputtering targets, functional crystals, devices and related technical solutions.**

# Products Brief

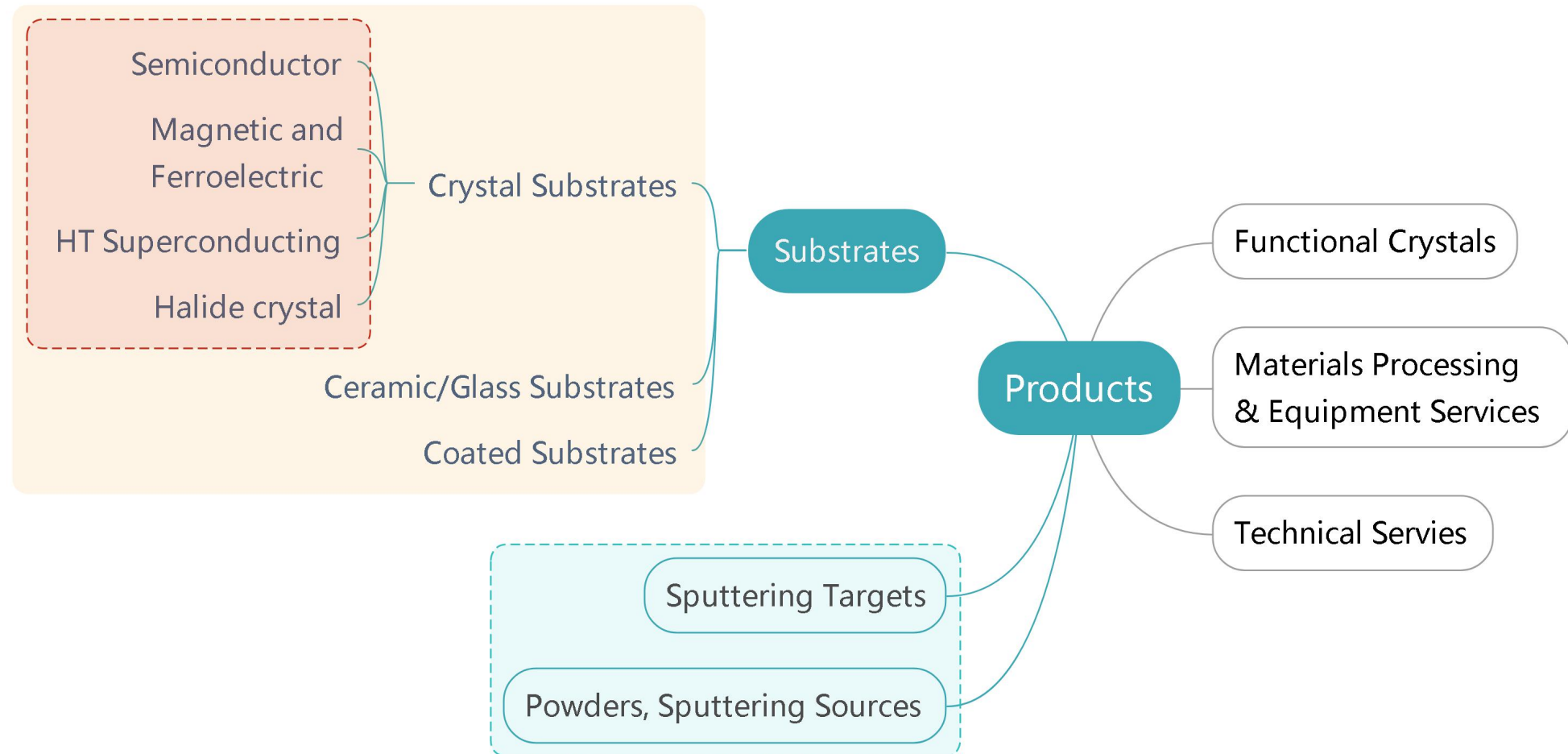




# Category

You **CONCENTRATE** on research

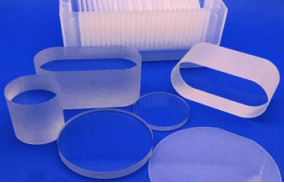
We supply substrates/targets, crystals/ devices, services

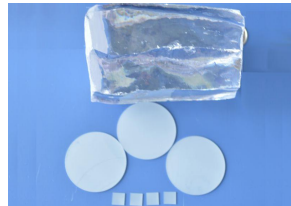




# Substrates

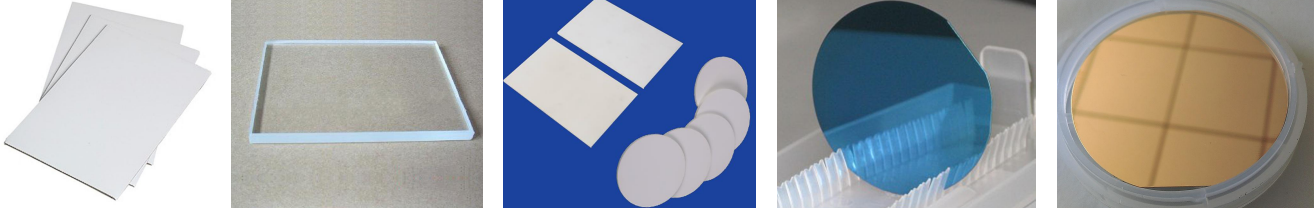
## From Ingot to finished wafers

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



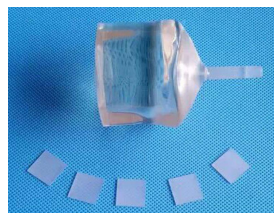
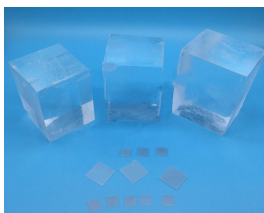
Halide Crystal		
NaCl	KCl	KBr



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


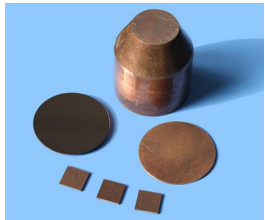
be customised upon request

[more on website >>>](#)





# Sputtering Targets

Metal Targets	Alloy Targets	Ceramic Targets	Monocrystal Targets
			

[more >>>](#)

# Powders, Sputtering Sources

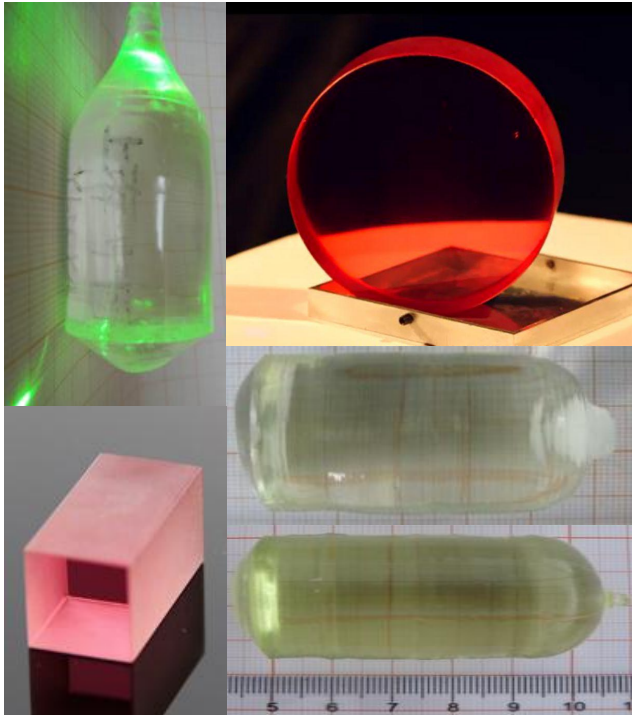
be customised upon request

Metal Oxide	Sulfides	Fluorides	Nitrides	Metals
Al <sub>2</sub> O <sub>3</sub> , CeO <sub>2</sub> , Cr <sub>2</sub> O <sub>3</sub> , HfO <sub>2</sub> , In <sub>2</sub> O <sub>3</sub> , ITO, MgO, La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> , Nb <sub>2</sub> O <sub>5</sub> , Ta <sub>2</sub> O <sub>5</sub> ...	ZnS, ZnSe	AlF <sub>3</sub> , BaF <sub>2</sub> , CeF <sub>3</sub> , LaF <sub>3</sub> , LiF, MgF <sub>2</sub> , YF <sub>3</sub> , Na <sub>3</sub> AlF <sub>6</sub> , YbF <sub>3</sub>	AlN, BN, Si <sub>3</sub> N <sub>4</sub>	Al, Cr, Cu, Ge, Ni, Si, Sn, Ti

[more >>>](#)



# Functional Crystals, Metal Crystals



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

Be customised upon request

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



# 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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