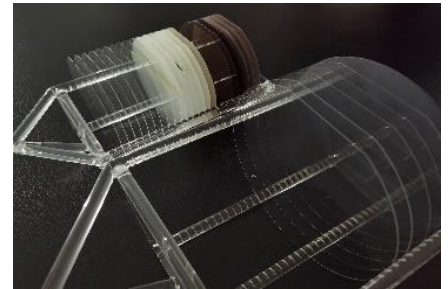
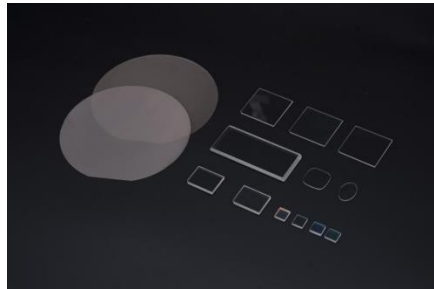







特种玻璃基片 Fused Quartz/Silica Substrates



我司专研加工各类特种玻璃包括：熔融石英、合成石英、硼硅玻璃、钠钙玻璃、低膨胀玻璃、低碱玻璃等，覆盖了红外、可见光、紫外多个波段，可被加工为优良的光学窗口材料、基层片等。

We specialize in fabricating series of glass materials, including fused quartz, synthetic quartz, borosilicate glass, sodium calcium glass, low expansion glass, low alkali glass, etc., covering infrared, visible light, ultraviolet multiple bands, can be processed into excellent optical window material, base plate, etc.

材料牌号 Material Brand

	肖特	Borofloat33 / BK7 / B270 / D263 etc.
	康宁	Eagle XG , Fused Silica 7980 / 7978 / 7979 etc.
	菲利华	Fused Silica JGS1 / JGS2 & Single quartz etc.
	小原	SK-1300
	光明	H-K9L / Soda Lime etc.

加工能力 Processing Capacity

Specification 规格	unit	3"	4"	5"	6"	8"	12"
Diameter (or Square) 直径或方片	mm	76.2	100	125	150	200	300
Tol(±) 公差	mm	<0.1~0.25 mm					
Thinnest Thickness 最小厚度	mm	>0.10	>0.18	>0.30	>0.30	>0.30	>0.50
Primary Flat 主平台	mm	22	32.5	42.5	57.5/notch	notch	notch
LTV (5mmx5mm)	μm	<2	<2	<2	<2	<2	<10
TTV	μm	<8	<10	<15	<20	<30	<30
Bow	μm	±20	±25	±40	±40	±60	±60
Warp	μm	<30	<40	<50	<50	<60	<60
PLTV(<0.5um)	%	≥95%(5mm*5mm)					
Transmittance 透过范围		UV, Optical, IR or Custom option 紫外、可见光、红外					
Edge Rounding 边缘	mm	Compliant with SEMI M1.2 Standard/refer to IEC62276					
Surface Type 表面处理		Single Side Polished /Double Sides Polished 单面抛光/双面抛光					
Polished side Ra 抛光面	nm	<1.0nm or specific per requested					
Back Side Criteria 反面	μm	General is 0.2-0.5μm or as customized					
Appearance 外观	Contamination 污染					None	
	Particles 微粒 >0.3μm					<=30	
	Saw Marks, striations 锯痕, 条纹					None	
	Scratch 划痕					None	
	Cracks, crowsfeet saw marks, stains 裂纹					None	