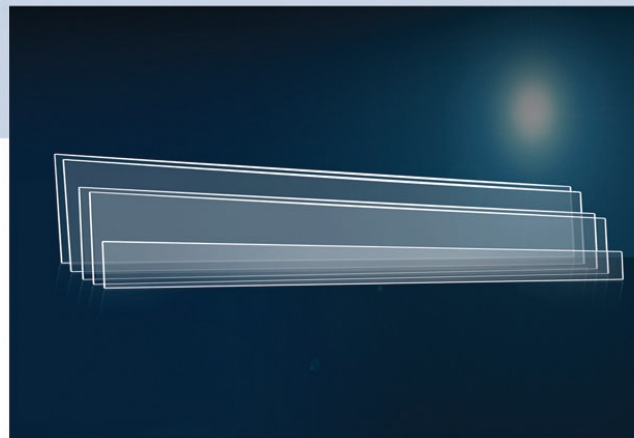


We can make larger size of quartz plate by welding several pieces together. For the continuous electric fused type quartz plate, maximum length of a single piece can be 1500mm. 4 pieces can be welded together for bigger size. These plates are vastly used in UV dryer system, optical application, protective window as well as sight glass window. We can also weld pieces of flame fused type plates together for bigger size. These plates are mainly used in fiber optics, the semiconductor and photovoltaic.



We choose local high quality crystal material or imported sand as raw material. The production is made through combining the crystal material or imported sand with continuous melting method. After jointing, grinding, we polish the product and make the large size quartz plate with high purity, superior surface quality. These quartz plates are widely used in optical field, or in the production process of semiconductor and solar industries.

Continuous melting quartz plate

Dimension	Max.width 260mm, thickness1-10mm
Dia. of Bubbles And Spots	Per 100cm ²
<0.1mm	<5
0.1< Φ <0.2mm	<3
0.2< Φ <0.5mm	<1
>0.5mm	<1

Large size quartz glass plate

Purity	Total Impurities including Al, Fe, Ca, Mg,Ti,Cu, Mn, K, Na,Li, B <35ppm						
Thermal property	Strain Point	Annealing Point	Softening Point		Working Temperature	Expansion Index	
	1120℃	1180℃	1680℃		1700℃ - 2100℃	5.5×10-7/℃	
Operation Temperature	Short-term			Long-term			
	1300℃			1100℃			
Mechanical property	Rigidity Modulus	Density	Mohs Hardness	Youngs Modulus	Compression Strength	Poisson Ratio	Elongation Strength
	3.1×10 ⁴ Mpa	2.2g/cm ³	6	7.2 ×10 ⁴ Mpa	>1.1×10 ³ Mpa	0.17	48Mpa