

Sapphire protective window for laser cutting and welding machine

we have developed a serie of sapphire protective windows for laser welding machine, laser cutting machine.

The sapphire has 9 Mohs hardness and working temperature is more than 1700'C. so, it's the perfect material for the application to protect the

system. The reasonable cost and durable working time make it to replace the quartz, K9, YAG.etc.

These windows should be changed after some time. So, it would be with large quantity. We have supplied more than 10000pcs in the last year.

Here are some typical characters for your reference, we also custom make your specifications:

Size: dia. from 22-130mm, thickness from 0.5-10mm. typical: 25.4x3, 30x5, 34x3, 35x5, 37x7, 76.2x7.etc.

Surface quality: 40-20

Flatness: $<\lambda/2@632.8\text{nm}$

Parallelism: $< 3 \text{ arc min.}$

CA $>85\%$

Coating: 2 sides AR coating, R $<0.5\%$ @1064nm (optional wavelength: 355nm, 980nm, 1070nm, 1080nm, etc.)