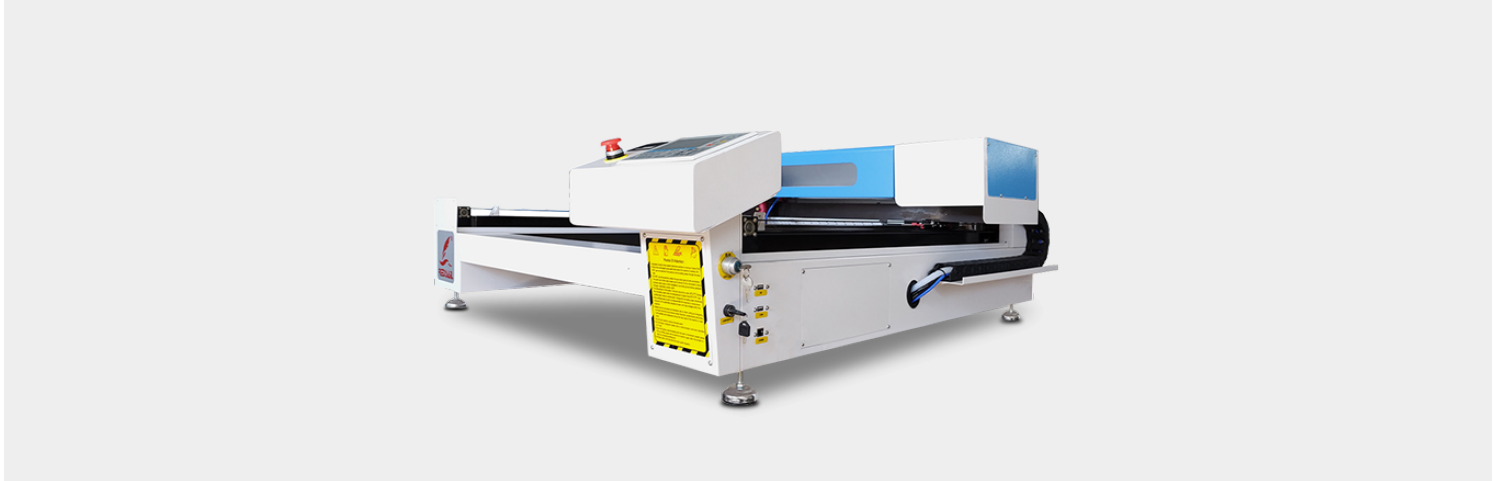


# HOW TO EFFECTIVELY AVOID THE RADIATION DAMAGE OF FIBER LASER CUTTING MACHINE

*Posted on 2023-08-22 by redsail*



Category: [Fiber Laser Cutter News](#)



Radiation is ubiquitous for people. The computers, mobile phones, hair dryers and copiers we often use all contain radiation. Radiation has different sizes, and proper self-protection measures can prevent radiation from bringing Your own harm. However, what I want to introduce to you today is about the radiation of [fiber laser cutting machine](#). The radiation brought by fiber laser cutting machine cannot be underestimated, especially it can cause fatal damage to human eyes. So how to protect yourself and avoid the radiation damage of fiber laser cutting machine?

## **1. How does the radiation of fiber laser cutting machine cause damage to human eyes?**

During the processing of the fiber laser cutting machine, the characteristics of the emitted laser light can make the energy highly concentrated in space and time. Through the refractive medium of the eye, it is focused on the retina to form an image, so that the energy density on the retina is higher than that on the cornea. The incident energy density is increased by  $10^4$  to  $10^5$ ; the monochromaticity of the laser is good, and the chromatic aberration in the fundus is small. The above characteristics lead to extremely low laser energy irradiation can cause damage to the cornea or retina. Therefore, the editor here warns everyone that in the optical fiber When the laser cutting machine is working normally, do not look directly at the laser source.

## **2. How to avoid the radiation damage of fiber laser cutting machine?**

1. If you want to reduce the radiation of fiber laser cutting machine, you must use laser protective glasses, which are specially designed for fiber laser cutting machine equipment, which can effectively reduce the radiation of fiber laser cutting machine, so the staff are using You don't have to worry about it at all times, you can cut the workpiece with confidence; and there are many types of laser protective glasses, including composite type, absorption type, reflection type and diffraction type, etc.

2. To reduce the radiation of the fiber laser cutting machine, the staff can actually protect themselves. For example, the staff eat more food with anti-radiation, so that they can effectively resist the radiation of the fiber laser cutting machine. Generally, the anti-radiation food has Tomatoes, bean sprouts, carrots, animal liver and lean meat are all foods rich in vitamin AC and

protein, so the anti-radiation effect is very good.