

The safety of Denaliweld machine

The safety of DenaliWeld laser welding machine.

The Denaliweld laser welding machine comply with the laser safety standard.

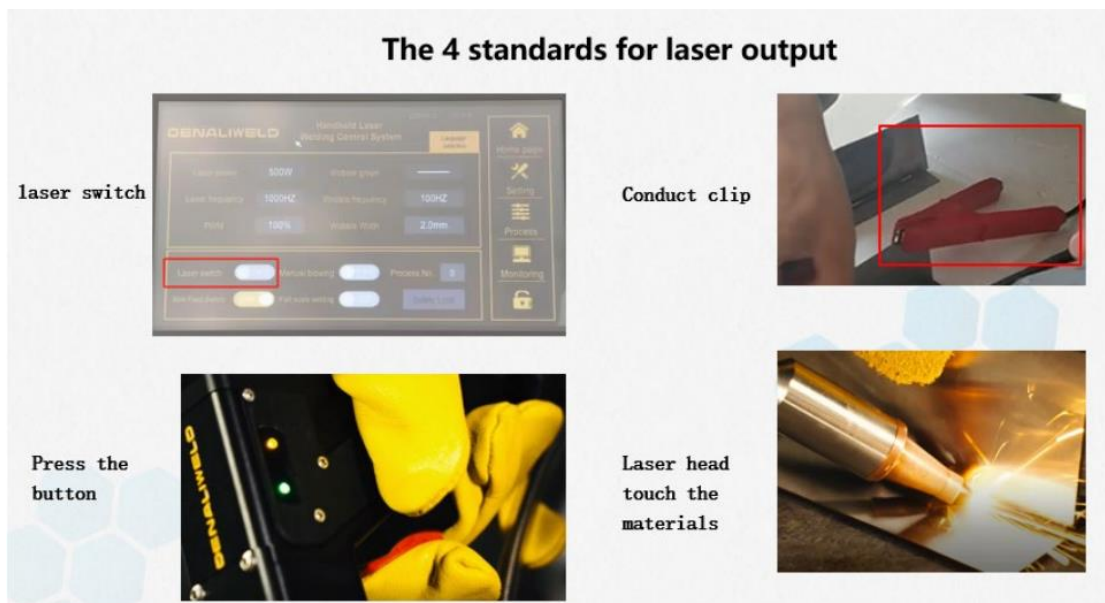
DenaliWeld attaches a great importance regarding laser safety, we designed various laser safety configurations on our laser welding machine, as follows:

- **There are 4 standards to let the laser out from the laser source.**

- 1) Laser switch on the operation screen
- 2) Conduct clip
- 3) Press the button on the machine
- 4) Laser head touch the materials

Only when the four criteria are met at the same time, the machine will emit light.

If one of the four is missing, the machine will not emit the laser.



- **The three lights on the machine, are green, yellow, and red.**

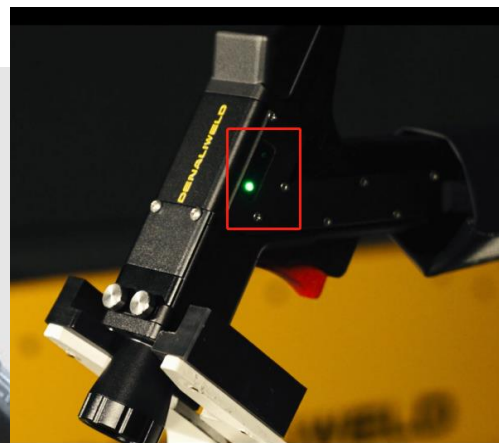
The green shows the machine works normally. The yellow shows the machine working. The red shows the machine is alarming, we should check the reason. It also has a quick-plug 3-color light on the back of the machine, when you use it, the light is yellow, and it will indicate to the person, that the machine is working, then they will keep away from that area.



- **The emergency switch on the machine and laser head.**
If the machine is away from us, but there is an emergency thing to happen, we can press this button, then the machine will stop working.



- **The indicator light on the laser head.**
There are 2 lights on the laser head, one is yellow to show if the conduct clip is connected, and the other is green to show if the machine can work. When we are working, some situations can be checked throw the laser head.



- **The sensor for the remote cleaning.**

The Denaliweld machine has 3 functions, welding, cleaning, and cleaning weld-seam. Other suppliers, will provide the cutting function, but for us, we don't have it, as this function is dangerous and used few, so we cancel it. For the remote cleaning machine, as the clean area is relatively larger, not safe. So, we add the sensor to the remote cleaning head. If the area is beyond the setting, it will stop to clean.



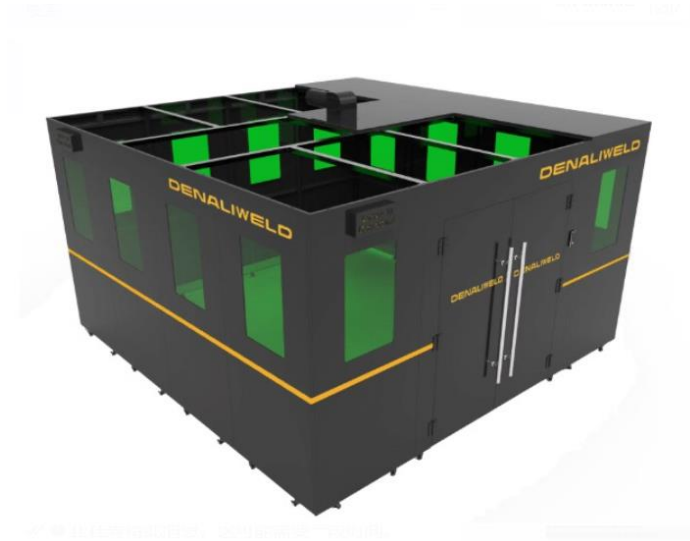
- **Mask.**

We equip the mask, it can adjust the brightness. There are 2 versions to choose from, one is for laser welding machine to use, the other is for MIG, MAG, and other traditional welding machine to use.



- **The laser protective workstation, protective glass, and Robotic arm.**

Workstation is combination, if can be chosen according to your needs, 2 sides or 3 sides or 4 sides, it can establish an area for laser welding working specially. The end-users can see the welding process through the windows of the workstation. And the cost-effective way is to have 3 pieces protective glasses, put them on the welding table.



- **Robotic arm.**

If you still think it is not safe for workers, our machine can work with the robotic arm, and our machine will have one click to realize the Auto-welding.

- There are also have some safety signs of machines, for example:

