



# The Difference Between Flying Laser Marking and Static Laser Marking

[Flying laser marking](#) is a form of marking relative to static laser marking. As the name implies, it is a form of laser coding on the surface of products one by one for the production line at a relatively fixed speed. Simply put, flying laser marking means to put the product on the conveyor belt to follow the assembly line, cooperate with the industrial automation production line, and the product transmits the signal through the automatic induction device. The laser marking equipment receives the signal to carry out the marking work, which does not require manual feeding, which is a manifestation of automation.

The static laser marking is a man-machine combination or a semi-automatic marking mode through a mechanical arm device. Manual loading and unloading, the operator puts the workpiece on the marking station, and then completes the laser marking work through manual triggering, and manually unloads the material after the marking is completed. The loading and unloading of the mechanical arm is transmitted through the upstream and downstream signals. The method is the same as manual. The loading is completed by the mechanical arm, and the position of the workpiece is sensed by the sensor, and the marking command is issued. The [laser marking machine](#) receives the marking signal to carry out the marking work. After the marking is completed, it sends out a completion command, and the mechanical arm removes the workpiece, and then repeats the next round of work.

Flying laser marking is a kind of fast speed, industrial automation, high integration, no need to add additional jobs, can reduce staff costs, reduce human errors, increase production efficiency, and improve work progress. The [online flying laser marking machine](#) has strong text editing and graphics processing functions, and the online flying laser marking machine can automatically generate batch numbers and serial numbers. The plug-in intelligent control interface can be flexibly connected with various automation equipment and sensors, and the software functions can be flexibly modified according to specific situations.