

CLASSIFICATION OF LIGHT SOURCES FOR LASER ENGRAVING MACHINES

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At present, the common light sources of [laser engraving machines](#) on the market mainly include CO2 light source, fiber optic light source, purple light source, green light source, and diode light source. The laser wavelength is different, and the engraving efficiency is also very different. Among them, CO2 laser engraving machine is mainly suitable for engraving materials such as wood, leather, plastic and other non-metallic materials

Fiber optic light sources, the main engraving materials are metal or painted surface with relatively high density. Generally speaking, wood is not easy to carve, unless it is extremely dense and hard, it can also be carved.

Purple light source is a relatively high-end light source, with very fine engraving and a wide range of engraving

Green light source, we may have seen many three-dimensional images in the middle of acrylic, usually engraved with a green light source. Can engrave transparent glass and other materials

Diode light source, which was originally a light source for stage lighting, has achieved a gorgeous turn in the laser engraving industry. Its engraving principle is somewhat similar to a magnifying glass lighting a cigarette under the sun