

WHAT IS A SMALL LASER ENGRAVER AND WHAT ARE ITS ADVANTAGES?

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REDSAIL R6090 LASER ENGRAVING / CUTTING MACHINE

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Laser engraving and advertising engraving are a very broad concept, generally aimed at the processing of hard materials: plate cutting, marking, flat carving (two-dimensional), relief (three-dimensional), etc. According to other processing principles, engraving machines can be divided into mechanical engraving machines, small laser engraving machines, and woodworking engraving machines.

At present, the most widely used are mechanical engraving machines, small laser engraving machines and woodworking engraving machines. Laser has many advantages over traditional processing methods. First, the marking of the small laser engraving machine is non-contact with the material, so there is no tool loss of the traditional engraving machine. This also reduces potential off-spec product. Laser-made markings are long-lasting and feature a clear profile. Small laser engravers are faster than traditional mechanical engravers, although it sometimes takes time to iterate to find the proper parameter settings. Because the principle of the engraving machine is completely different, the laser can also engrave many materials that cannot be engraved by traditional engraving methods, such as wood and rubber. In addition, the same small laser engraving machine can not only engrave but also be used for not very thick plates.

[Small laser engraving machine](#) is a tool, a kind of CNC machine tool with photoelectric combination. Different from other tools, it uses a laser beam to focus on a small area of the material to vaporize the material quickly, which is a bit like a magnifying glass under sunlight to make the things at its focus ignite and burn. Compared with lasers for other purposes, the laser power of small laser engraving machines is not very large, out of consideration for ease of operation and safety.

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Our products currently mainly include laser engraving machines, laser cutting machines, laser engraving and cutting machines, laser marking machines, laser cutting machines, laser welding machines, CNC mechanical engraving machines and other series, providing customers with a complete set of laser processing solutions, It can be used for engraving and cutting of non-metallic materials by selecting the appropriate processing format and laser power. It is widely used in plexiglass, craft gifts, advertising art, packaging and printing, clothing leather, furniture manufacturing and other industries.