

# Application of CO2 Laser Marking Machines in Food Packaging

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Food packaging are an important part of commodities. In addition to facilitating fresh-keeping, storing and protecting food, the information on the packaging bags can also be used to obtain information on the source of food, food ingredients, food shelf life, storage conditions, and so on.



However, due to factors such as commodity transportation and contact, ink markings are often prone to "easy to erase, easy to fall off", at the same time, some criminals will erase the production date of the product that is about to expire, and then spray the new production date, then continue to sell in the market. This will have a very bad impact on people's health, and at the same time it will seriously undermine the principles of the market. So how to effectively mark food packaging information? CO2 Laser marking machines can effectively solve this problem. CO2 Laser marking is a marking method that uses high-energy-density lasers to locally irradiate objects to vaporize or change the color of the surface material, thereby leaving a permanent mark. It has high marking accuracy, high speed, the marking is clear and environmentally friendly and pollution-free.



The entire marking information is engraved on the product packaging, so it is difficult to tamper and counterfeit, and a link database system can be established to allow us to track and inquire the latest product trends in time. Therefore, the information marked by the CO2 laser marking machine on the packaging bag, such as the production date, food source and other information, is clear, eye-

catching, and will not fall off permanently, erasing it will destroy the packaging. It is environmentally friendly and has no consumables.

**At the same time, it can effectively restrain criminals and provide an umbrella for public food safety issues.**



The CO2 laser marking machine can not only mark information such as production date and food source, but also mark logo, text, QR code, bar codes and other information.

Common laser printer systems include: CO2 Laser Marking Machine, Fiber Laser Marking Machine, UV Laser Marking Machine, Semiconductor End-pumped Solid Laser Marking Machine, etc.

The application of laser marking machine is very wide, and it can also mark on glass bottles, ceramics, tinplate, aluminum plates, cartons and other materials according to different laser wavelengths. In addition, you can also contact us to customize the product according to your project needs.