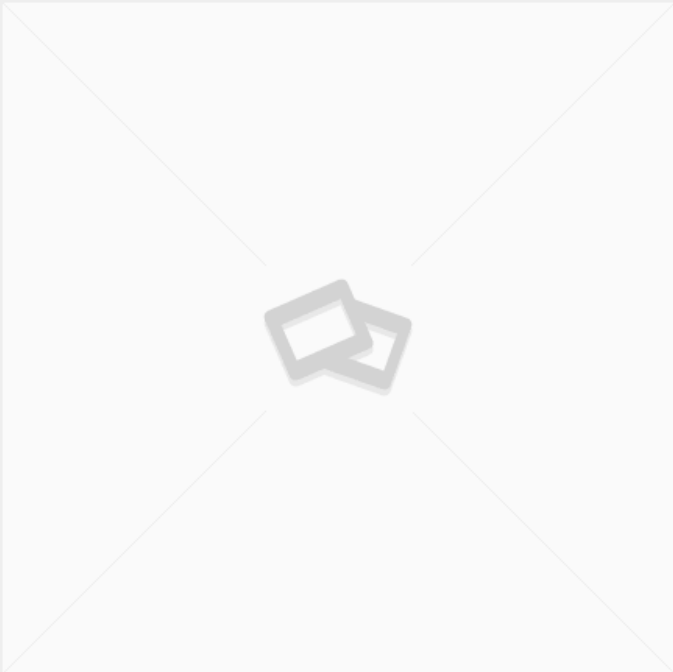


APPLICATION SCOPE OF LASER CUTTING MACHINE

Posted on 2023-05-29 by redsail



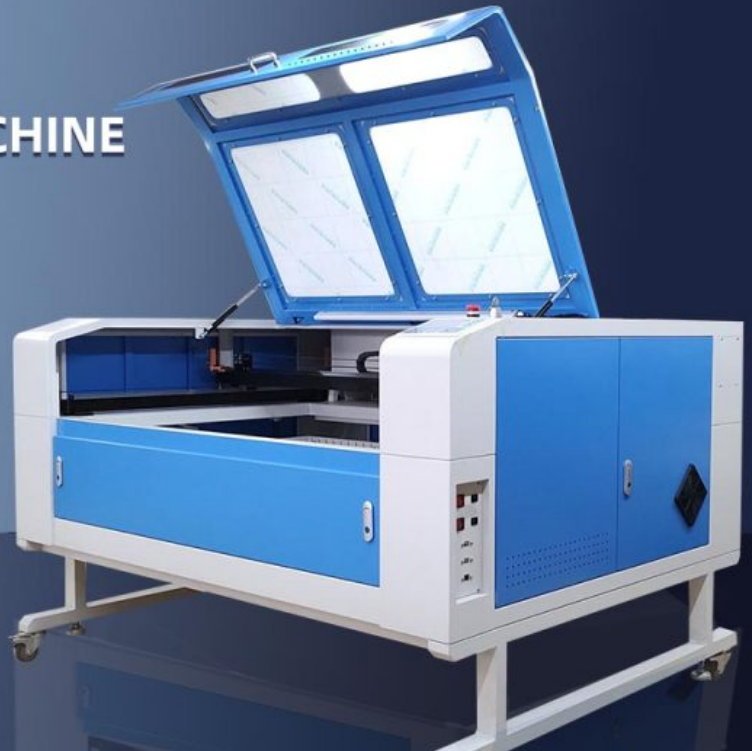
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laser cutting machine

Laser cutting equipment is quite expensive. With the continuous development of the storage tank industry, more and more industries and enterprises are applying it to storage tanks, and more and more enterprises are entering the storage tank industry.

However, due to the reduction in subsequent processing costs, the use of this equipment in large-scale production is feasible.

Laser cutting has greater adaptability compared to other methods. As a thermal cutting process, other methods cannot act on extremely small areas like laser beams, resulting in notch width and significant thermal deformation. Laser can cut non-metals, while other thermal cutting methods cannot.

Application scope

Most laser cutting machines are controlled by CNC programs or made into cutting robots. Laser

cutting, as an accurate processing method, can cut almost all materials, including two-dimensional or three-dimensional cutting of thin metal plates.

In the field of automobile manufacturing, the cutting technology of spatial curves such as car roof windows has been widely applied. German Volkswagen uses laser cutting to cut complex body panels and various curved surfaces.

In the field of aerospace, laser cutting technology is mainly used for cutting special aviation materials such as titanium alloys, aluminum alloys, nickel alloys, chromium alloys, stainless steel, beryllium oxide, composite materials, plastics, ceramics, quartz, etc.