

Laser Marking Vs Engraving Metals

How to choose between Marking and Engraving?

It is most easily thought of in printing terms - Screen printing Vs Embroidery



Laser Marking (Decorative)

Like screen printing, this process is on the surface of your item and has a certain look. Both Printing and Laser Marking last a good many wears and washes yet can come away with time, abrasion, chemical like suntan lotion and deodorants and of course perspiration. Hence we advise that Laser Marking is chosen for this vintage look and is only applied to items that are not exposed to such conditions. (without sealant)

Laser marking is a unique way to mark your metal item without actually limiting its structural integrity meaning that nothing is removed, hence your item is still structurally sound. This is a handsome option on decorative items such as napkin rings, pewter tankards, silver cheese knives, aluminium menu covers, vintage look light fittings, zinc (french provincial style), light switch back plates and nickel gentleman's coat hangers. The finish is rather olde worlde and has a mellow feel. The dark tone of the text is also more greatly visible than classic engraving.

Metals suited for laser marking:

Stainless steel, aluminum, silver, pewter, brass, steel, anodised aluminium, zinc, nickel, tin and many other metals that are NOT sealed with any type of varnish so the laser's heat can apply the marking product and make it harden.

Laser Engraving (Functional)

Our laser engraver produces the most fine quality of engraving possible. Our engraver is a specialist laser from Germany and is the best possible on the market.

Like embroidery, laser engraving is into the item's surface, is absolutely permanent, is able to be very complex, is specialised and is expensive to achieve, yet the look is undeniably chic. Intricate details are able to be engraved even into super small items such as the inside of a wedding band! This light or deep laser cut into your precious item adds a personalisation like no other method and assures your item is a well cared for heirloom in the future. Your laser engraved finish is sharp and crisp.

Metals suited for laser engraving:

Aluminum, Brass, Carbide metal, Chrome, Coated metals, Cobalt, Copper, Eloxal, Gold, Platinum, Silver, Steel, Tin, Titanium and Zinc



Trotec Laser Germany Material Overview

What are the benefits of laser marking on metals?

Marking metals with the laser is an extremely accurate and clean way of working on metal. Markings such as serial numbers, codes and logos can be applied on products and components in maximum resolution. Metal etching and engraving with the laser is contact-less; the metal surface is not damaged; it is added to being that the mark is upon the metal surface.

In what areas is laser marking of metals used?

Typical areas of application for laser marking of metals include product labeling and coding in the electronics industry (mobile phones, iPad – mostly eloxal marking), tool construction, and medical technology. Annealing marking is an especially suitable process that allows for burr-free marking that is gentle on the material.