CKLASER

New Product Introduction

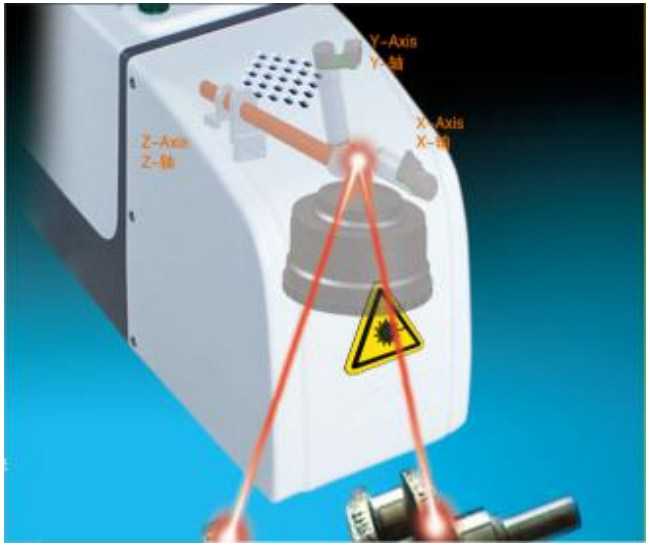
Introduction

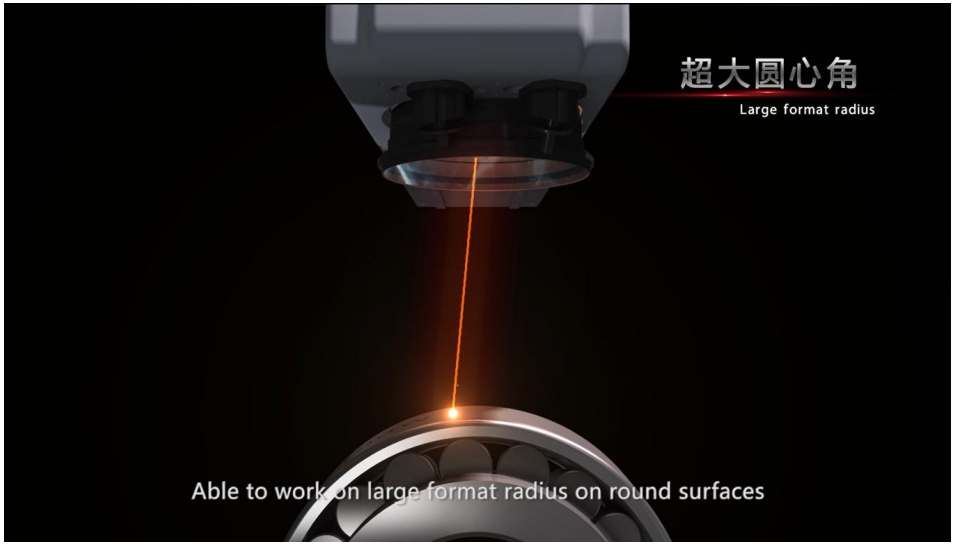
We will introduce the evolving process of 2-Axis marking to 3-Axis marking for you---the revolutionary design of CK-FB30W can mark in XYZ Axis and realize the ultra high quality, high precise marking to any shapes and different size of product.

3D-FB Lasermarking machine

Advanced 3D control technology--40mm variable focus

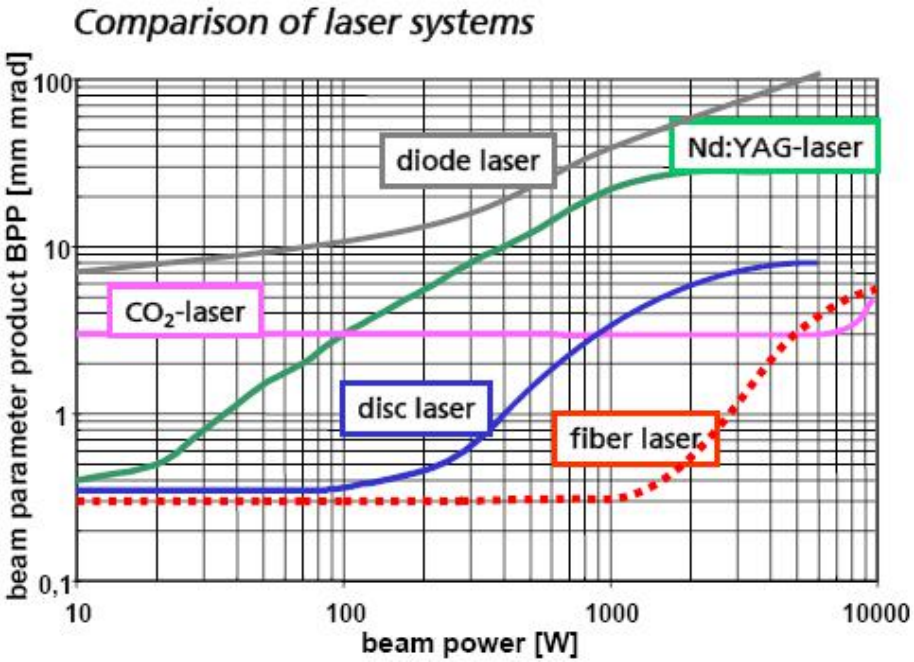
40mm difference height marking one time





Unique design - ultra precise marking

the contrast of all kinds of laser marking machine's light beam quality



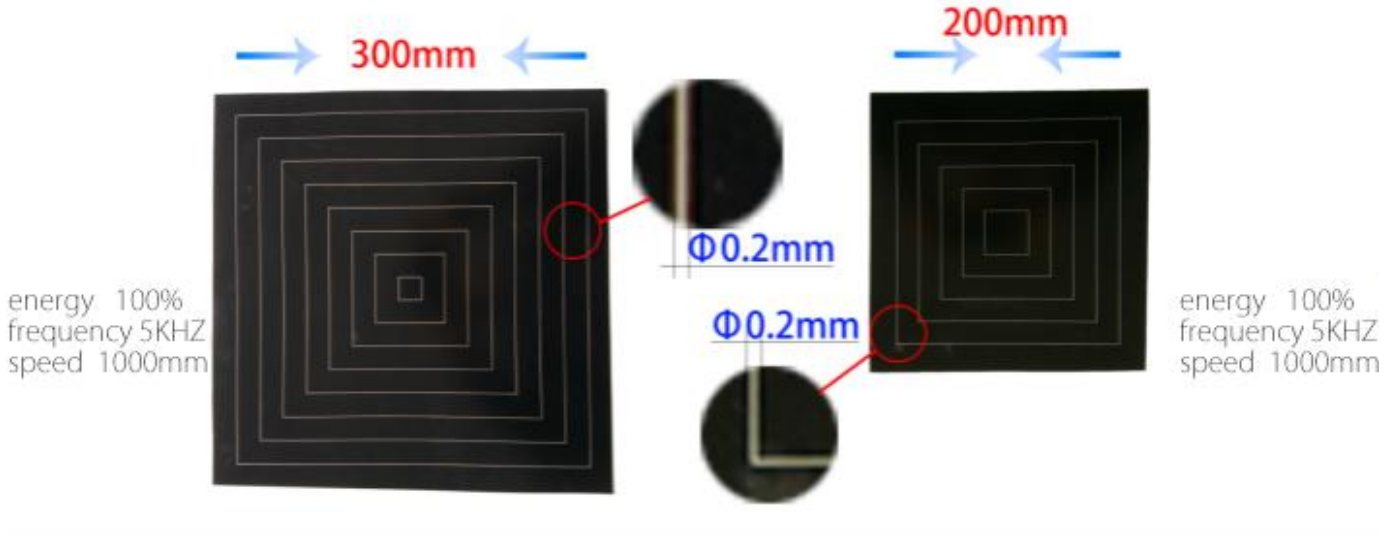
the output power of laser

the best light beam quality of fiber laser marking machine is the power below 100W

$M^2 < 1.3$

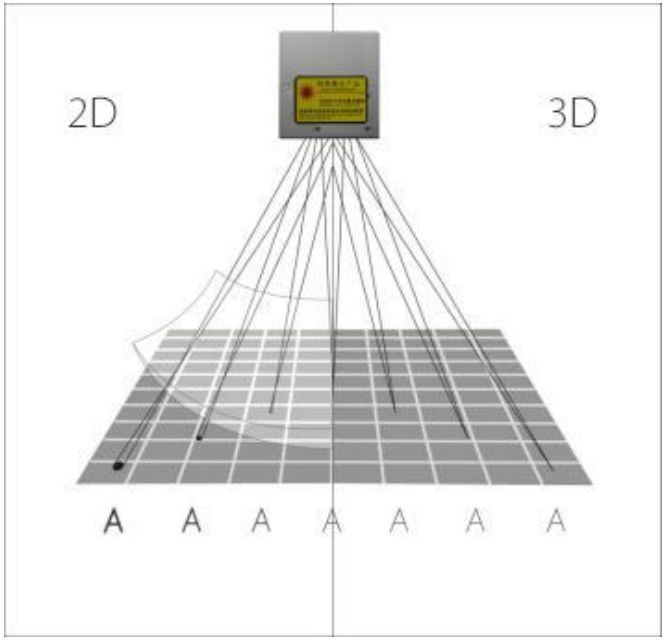
Advanced 3D control technology--engrave in a large format

3D(new mold) 2D(traditional mold)

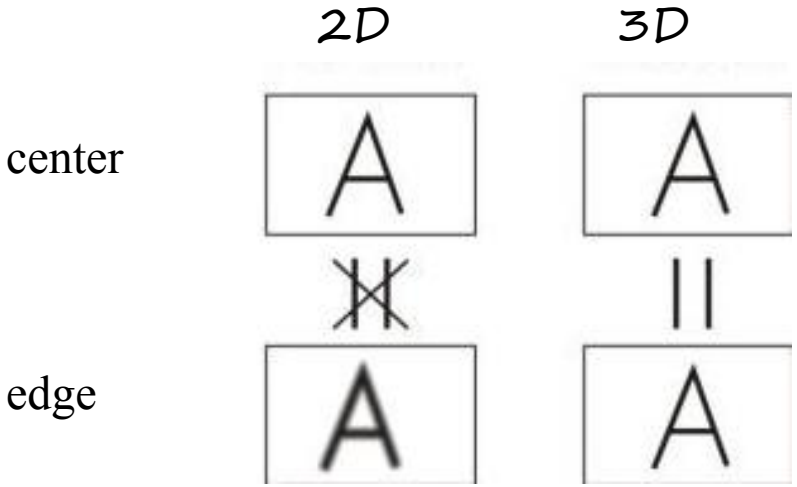


the wide of engraving line of 300 of 3D=the wide of engraving line of 200 of 2D

Advanced 3D control technology--focusing compensation of Z Axis

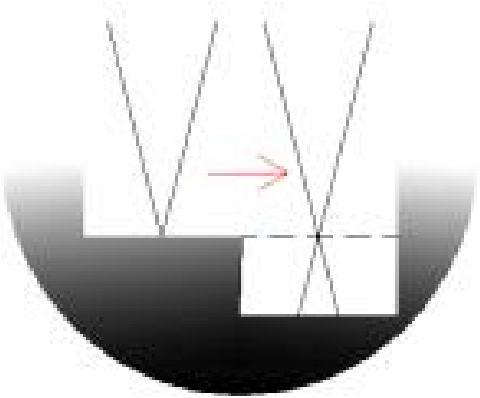


the light dot in the edge become thick

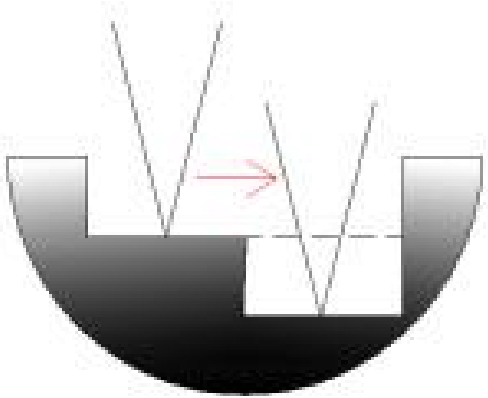


the light dot within the whole range is uniform

Advanced 3D control technology--mark in high and low surface



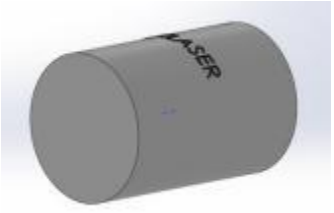
2D marking mode



3D dynamic focus mode

By the characteristics of 3D laser marking machine, molding marking by one time can be realized, even the work pieces have height gap. Besides, we can also keep the process consistent in the incline and slope surface.

Advanced 3D control technology--the focus compensation of Z Axis



2D

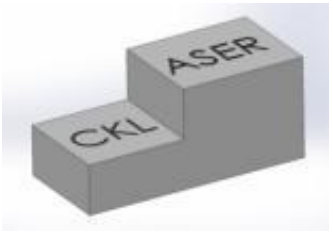
3D

marking on cylinder

2D

3D

marking on slope



2D

3D

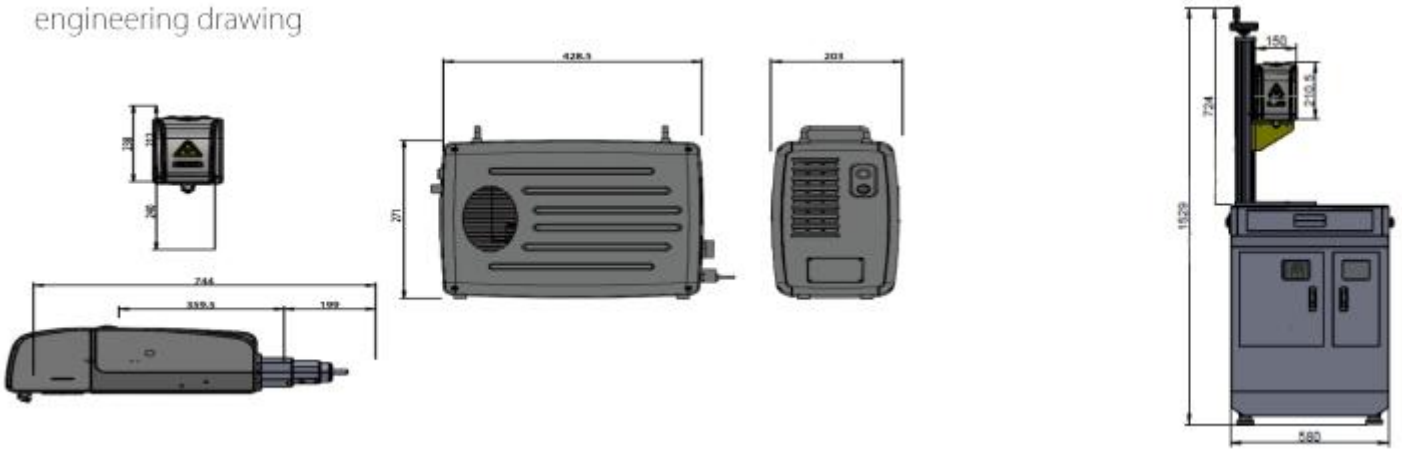
marking on rugged surface

2D

3D

marking on cone

Unique design--ergonomic



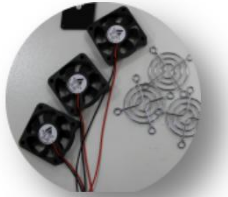
The design of machine is according to the requirment of mechanical aesthetics and ergonomics, with fashionable and nice appearance, reasonable structure, lighter weight. This kind of design will reduce the inconvenience of install process.

Unique design--mold manufacture

It adopts mold technology, integrated structure make space more reasonable and the seal is better.

Unique design--mold manufacture







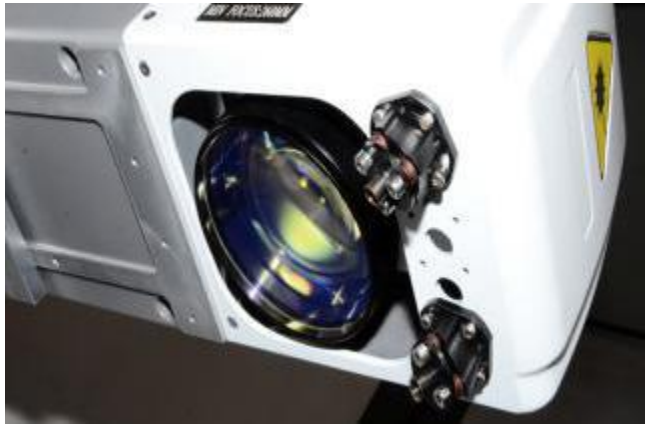
Unique design--imported optical lens

the reflectivity of imported optical lens ≤ 0.2%

the reflectivity of domestic optical lens ≤0.5%

the smaller the reflectivity, the less the laser loss, the bigger the output power is.

Unique design--ample auxiliary indicating function



three red light location system

two outside focusing red light

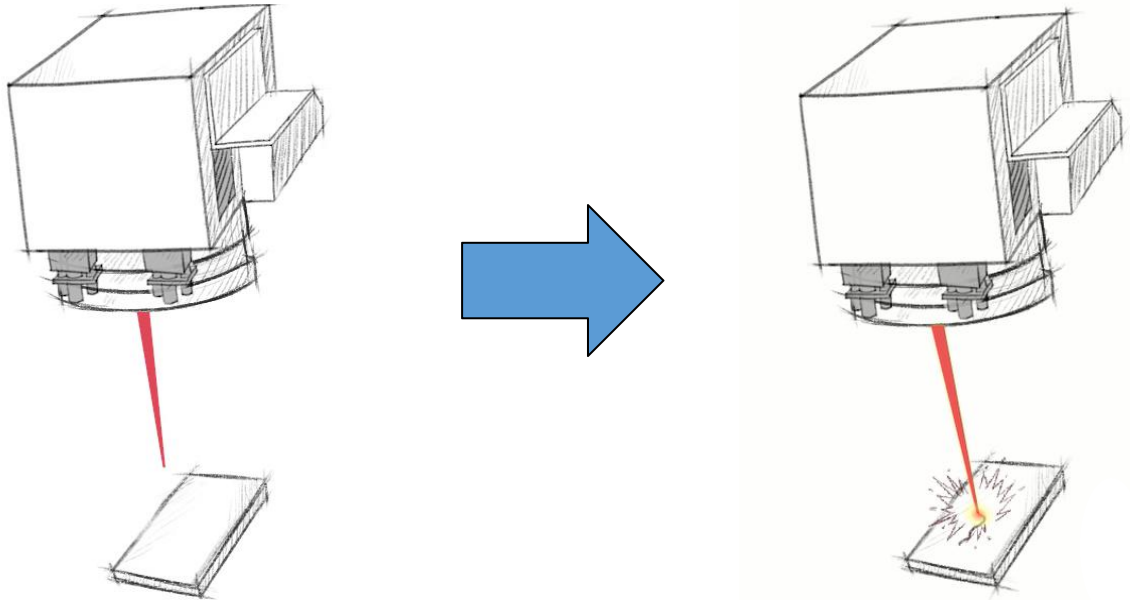
one inside locating red light

three color indication light
green light: regular work

yellow light: standing by

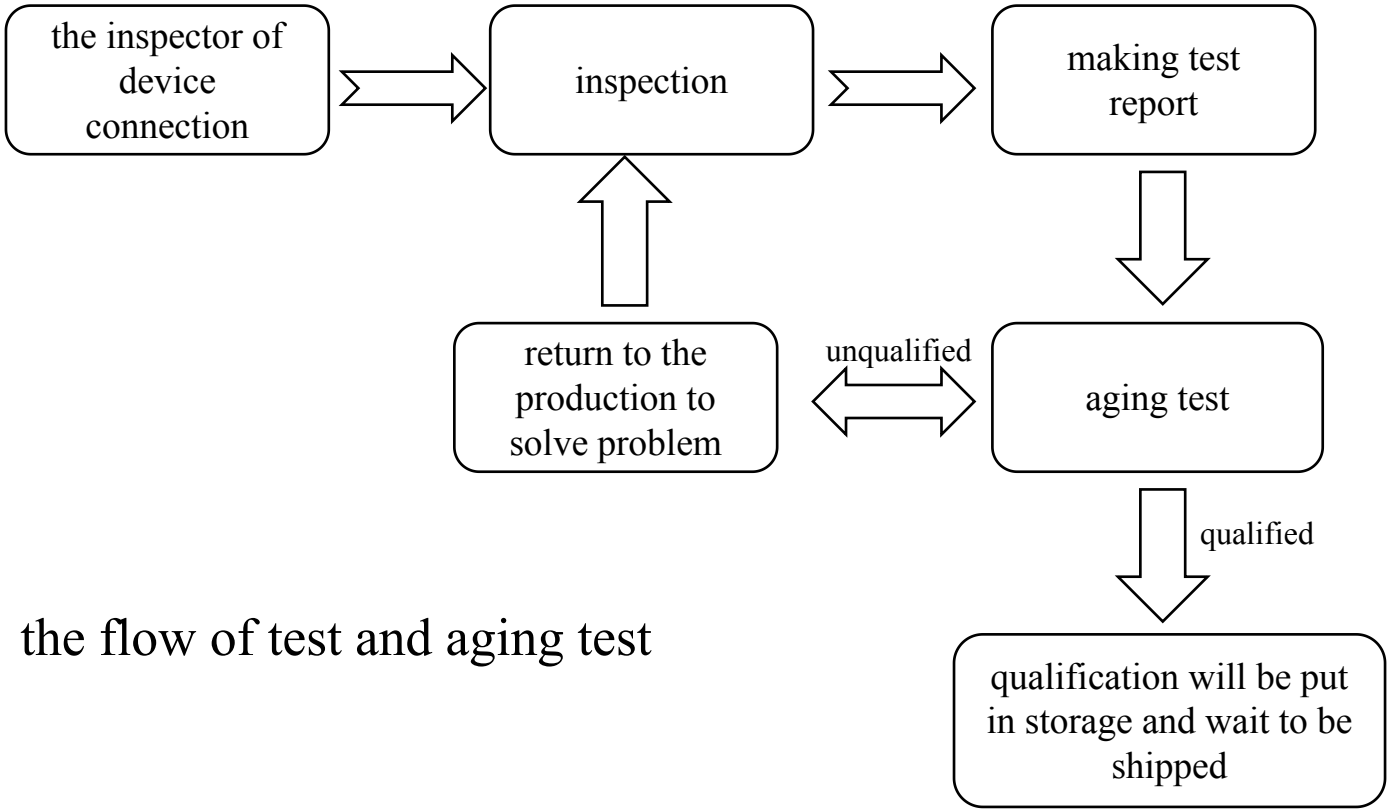
red light : fault condition

Creation--auto focus function



with unique auto-induction focus system, it can recognize the place of work surface and focus rapidly and automatically, which will improve the processing efficiency.

Manufacturing standard--test flow



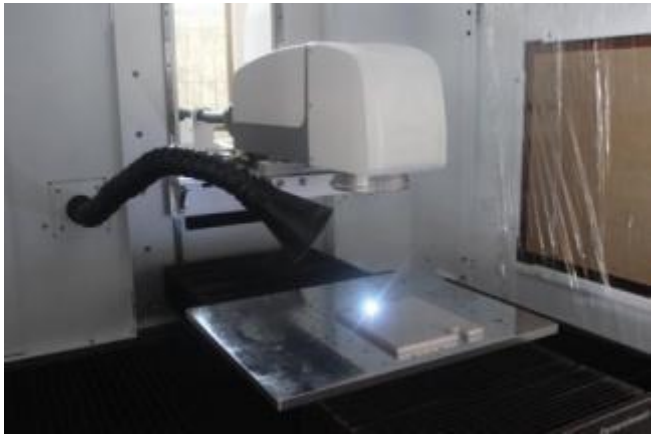
the flow of test and aging test

Manufacturing standard--certification

Expansibility--rotate, XY work platform

Disk rotation

Lamp rotation



XY moving platform

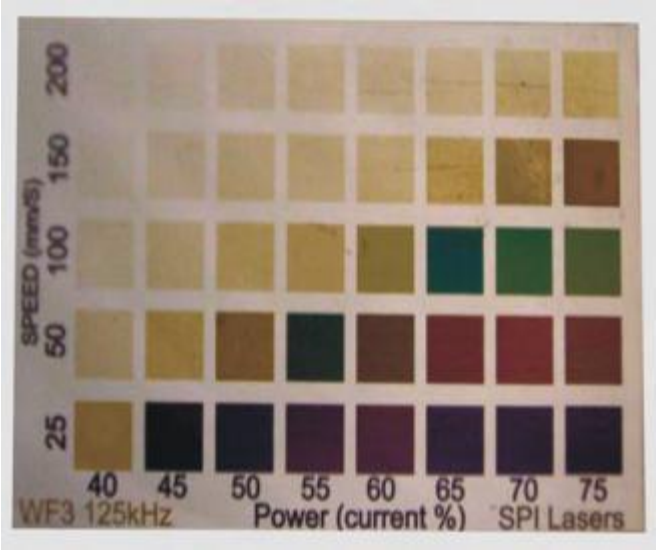
Typical appliaction--mark in the surface of mouse

Process requirement: engrave in the surface of mouse, strip paint in the surface.

Typical application--the description text in lamp-socket

Process requirement: the shape of lamp-socket is cone, the common 2D laser marking machine couldn't mark by one time, it need to install a rotation.

Typical application---engrave in colorful metal

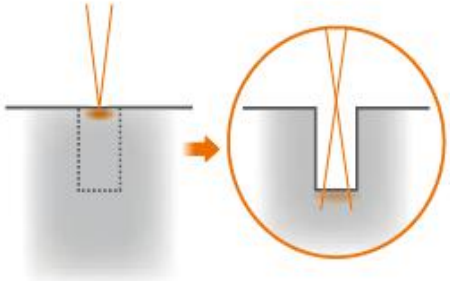


Process requirement: make use of the characteristic that 3D laser marking machine can adjust the foci, which shows different color in the oxide layer of metal surface and make the colorful engraving become possible.

Typical application--mark in inrregular surface

Process requirement: the pwer switch always require to mark minimal sign in different places, 3D firber 's auto zoom function can solve this problem.

Typical application--metal deep engraving



2D fixed focus mode

3D auto focus mode

process requirement: metal deep engraving needs laser power higher and energy more focus. Using 3D laser marking machine can make the focus always in work pieces, will reduce energy lose and improve the efficiency of deep engraving.

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Thanks for your watching