

Application news



Marking Paint Cans



Marking Electronic Components



Marking Film Coated Liquor Bottles

MACSA™ lasers are used for coding and marking products made from a range of materials including paper, cardboard, plastics (including PET and PVC), glass, many metals and wood. High quality messages and graphics are produced at minimal production costs, often at high speed. Applications News provides a regular summary of the products which are coded and marked by Macsa lasers: every day and world-wide.

Marking Paint Cans

On this application, we have marked bar codes and number codes in vertical position in static mode.

By using a CO2-10W laser and a short focal lens, we can mark on different materials such as plastic or metal obtaining different colour finishing.

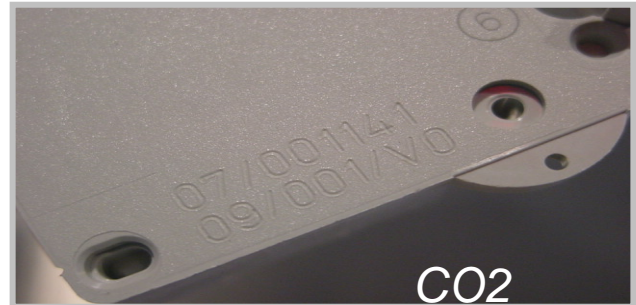


MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Painted Metal	K-1010 PLUS	60x60	1.000 mm/sec	Static	100%	3,9 sec.
Painted Plastic	K-1010 PLUS	60x60	800 mm/sec	Static	100%	5,3 sec.

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On this application, we have dynamically marked a part number of a given product.

We have tested both CO2 and YAG marking. CO2 marking has resulted in better engraving whereas YAG marking has been able to achieve better colour contrast.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
PA / 407	K-1010 PLUS	60x60	200 mm/sec	Dynamic	100%	0,73 sec.
PA / 407	D-5020	100x100	200 mm/sec	Dynamic	100%	0,67 sec.

Marking Film Coated Liquor Bottles

Here we mark a single Crystal Font text line sized 5*5 at 10.000bot/h.

With the use of a 30W laser we are able to perforate the film coating which covers the bottle obtaining clear contrast on the glass base of the bottle.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Film	K-1030 PLUS	100x100	110 mm/sec	Dynamic	100%	0,21 sec.
Film	K-1030 PLUS	100x100	470 mm/sec	Dynamic	100%	0,28 sec.

Contact us:

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