

Application news



Marking Holographic labels



Creating cardboard patterns for stencil



Marking wheel rims for automotive

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 Holographic labels

We get very good results with high definition and contrast marking metallised holographic labels.

The brand is ours costumers biggest asset. And counterfeiting is an unfortunate reality for all the markets and products.

This is an example of marking metallised and partially metallised labels with laser creating with very low cost high security holographic labels.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Holographic labels	L-5010 CP	170x170	5000mm/sc	Static	70%	21,6 sec.
Holographic labels	L-5010 CP	170x170	5000mm/sc	Static	70%	18,3 sec.
Holographic labels	L-5010 CP	170x170	5000mm/sc	Static	70%	36,4 sec.

Creating cardboard patterns

We have achieved excellent results in our tests marking with a K-1030 laser on cardboard to create patterns.

This is examples shows an easy and very practical way to create cardboard patterns for stencil painting. Stencils are used to create sharp-edged paintings of the desired image, by applying paint on the surface with the cut-out, leaving a painting of that shape on the underlying surface.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	LINE SPEED
Cardboard	K-1030 PLUS	250x250	25mm/seg	Static	100%	25,22 sec.

Marking Wheel Rims for Automotive

We have achieved excellent results with high contrast in our tests marking with an L-5010 YAG laser on Metal Wheel Rims for Automotive.

This is an excellent example of marking with laser 2 different and readable barcodes: one EAN 128 and one Datamatrix on a wheel rim for automotive market.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Metal	L-5010 CP	100x100	500mm/seg	Static	100%	3,51 sec.
Metal	L-5010 CP	100x100	300mm/seg	Static	100%	5,43 sec.
Metal	L-5010 CP	100x100	t:250	Static	100%	1,12 sec.

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