



Application News



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Marking Holographic labels



Creating cardboard patterns for stencil



Marking wheel rims for automotive

The MACSA Laser Series are the solution for marking a wide range of products including labels, cardboard, PET, PVC, glass, coating and wood with incredibly clear messages at minimal operational costs. This news brief show some of the interesting materials and products that are marked daily by Macsa Lasers.

Marking Holographic labels

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

The brand is our customer's biggest asset. Fake copies are a reality to fight against in all markets and products.

This is an example of marking metallic and partially metallic labels with laser, we can mark at very low cost, high security holographic labels.



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

Creating cardboard patterns

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

These examples show 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 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 a D-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 the automotive market.



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

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