Application news

Marking ABS for Automotive Industry

Marking Steel Beer Barrel

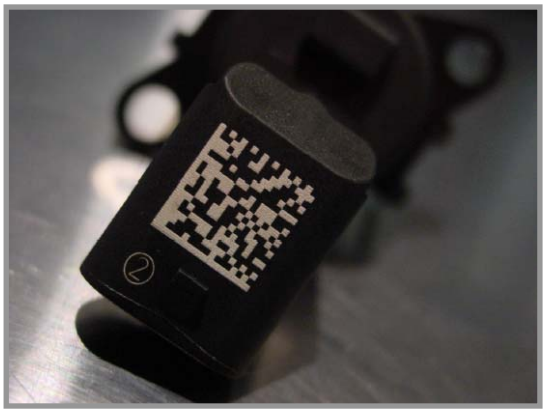
Marking Glass for Decoration

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 ABS for Automotive Industry

We get excellent results with high definition and contrast marking on an ABS piece for automotive industry.

This is a good example to show how to mark readable Datamatrix codes and text in a piece that constantly in contact with oils and other substances.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
ABS	**L-5020 CP**	100x100	t/px 150	Static	Static	**3,2 sec.**
ABS	**L-5020 CP**	100x100	t/px 200	Static	Static	**3,41 sec.**
ABS	**L-5020 CP**	100x100	600 mm/sec.	Static	Static	**0,23 sec.**

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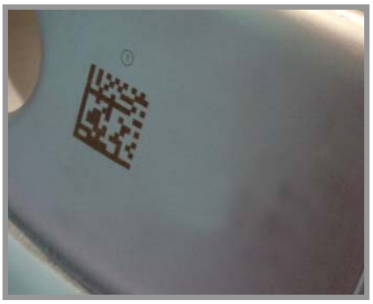
Marking Steel Beer Barrel

We have achieved excellent results in our tests marking with a L-5020 laser on a steel beer barrel.

Marking with laser guarantees an indelible mark, this is extremely important for electronics components that are constantly in contact liquids.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	LINE SPEED
Steel	**L-5020 CP**	100x100	t/px 10.000	Static	Static	**51 sec.**
Steel	**L-5020 CP**	100x100	t/px 5.000	Static	Static	**27,3 sec.**
Steel	**L-5020 CP**	100x100	t/px 900	Static	Static	**7,25 sec.**

Marking Glass for decoration

We have achieved excellent results with high contrast in our tests marking with a K-1030 laser decoration motifs on glass

This is a good example to show the permanent laser mark for products that are constantly in contact with water.

MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Glass	**K-1030 PLUS**	100x100	100 mm/sec	Static	100%	**1,36 sec.**
Glass	**K-1030 PLUS**	100x100	50 mm/sec	Static	100%	**2,67 sec.**
Glass	**K-1030 PLUS**	100x100	200 mm/sec	Static	100%	**0,72 sec.**

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