Application news

Marking Belts for the Automotive Industry

Marking Gum Wrapping

Marking Medical Products

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 Belts for the Automotive Industry

With this application, we compare the CO2 marking and the YAG marking with the same material.

With the CO2 laser we are able to obtain an engraving contrast on the surface and with the YAG laser we mark at a frequency of 60 KHz, obtaining a color contrast on the material offering a good reading.

MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Plastic ABS	D-5020	100x100	5.000 mm/sec	Static	100%	**1,22 sec.**
Plastic ABS	K-1010 PLUS	60x60	3.000 mm/sec	Static	100%	**1,11 sec.**

Marking Gum Wrapping

With this application we mark on dynamic a traceability code, at 6000 products per hour.

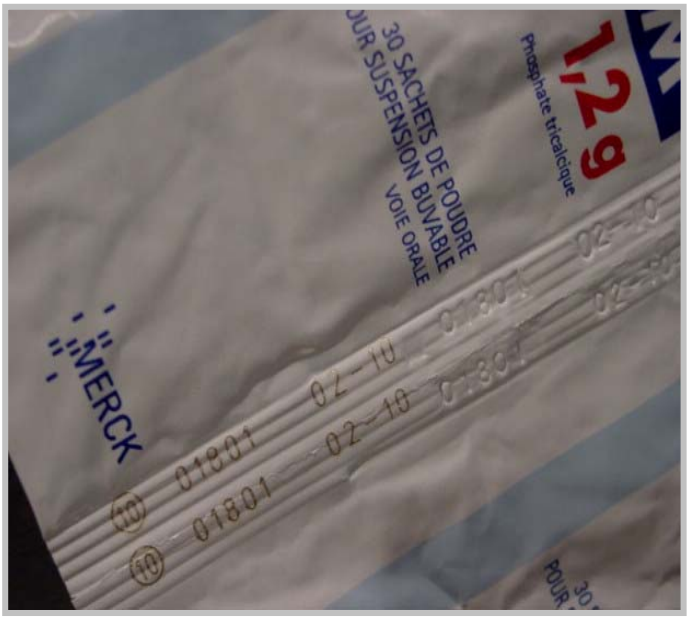
We mark on the aluminium surface, and thanks to its contrast or unpolished finishing we obtain a white marking with the YAG laser.

MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	LINE SPEED
Aluminium	**F-9010**	100x100	200 mm/sec.	Dynamic	100%	**0,24 sec.**

Marking Medical Products

With this application we mark different materials with the same laser system.

Depending on the material it requires a different speed marking, higher on the plastic in order to not deform it; and a lower marking speed on the envelope with the aim of removing the painting and obtain a better contrast.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Plastic	**K-1010 PLUS**	60x60	400 mm/sec	Dynamic	100%	**0,50 sec.**
Aluminium	**K-1010 PLUS**	60x60	350 mm/sec	Dynamic	100%	**0,21 sec.**

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