



## Applications News



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**Marking Rubber Car Door Joints.**



**Marking Oil Containers**



**Marking Electronic Components**

MACSA Laser Systems is the solution for marking a wide range of products such as labels, cardboard, PET, PVC, glass, coating and wood, obtaining amazingly clear messages at the minimal production costs. Applications News, provides you with some examples of different materials and products which are daily marked by Macsa Laser Series.

### Marking Rubber Car Door Joints

On this application, we mark a 40 character text and a logo in dynamic mode at a speed of 20 m/min.

We have used a 30W CO2 laser and a short focal distance lens to deeply mark the rubber obtaining a very good definition.

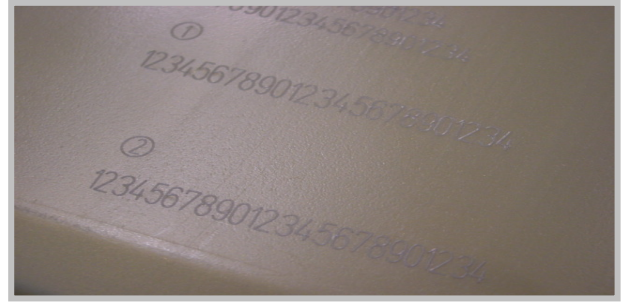


MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Rubber	<b>K-1030 PLUS</b>	60x60	1.800 mm/sec	Dynamic	100%	<b>0,43 sec.</b>
Rubber	<b>K-1030 PLUS</b>	60x60	1.200 mm/sec	Dynamic	100%	<b>0,61 sec.</b>

## Marking Oil Containers

On this application, we mark a 5 mm high 16 character text at a speed of 16m/min

Marking high density polyethylene ( HDPE ) calls for a powerful laser and a short focal distance lens.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
HDPE	<b>K-1060 PLUS</b>	60x60	1.100 mm/sec	Dynamic	100%	<b>0,42 sec.</b>
HDPE	<b>K-1060 PLUS</b>	60x60	1.500 mm/sec	Dynamic	100%	<b>0,30 sec.</b>

## Marking Electronic Components

On this application, we mark different materials, resulting in different contrasts with the use of a YAG LASER.

By working at a 60 Khz frequency, we get a dark contrast on light items and white contrast on dark parts.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Plastic	<b>D-5020</b>	60x60	10.000 mm/sec	Static	100%	<b>0,5 sec.</b>
Plastic	<b>D-5020</b>	60x60	5.000 mm/sec	Static	100%	<b>1 sec.</b>

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