



## Applications News



MACSA ID, S.A. – [www.macsalaser.com](http://www.macsalaser.com)  
 Monday 19 May, 2008  
 Issue 728

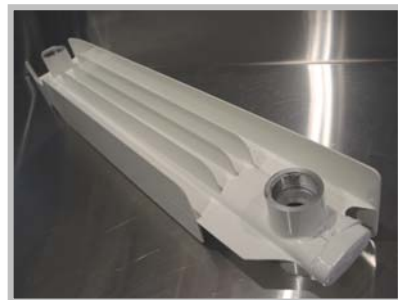
### Applications Week 21, 2008



**Marking Aluminium Blister**



**Marking Car Filters**



**Marking Painted radiators**

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 Aluminium Blisters

The application requires to codify and mark a logo onto the different blisters.

With the CO2 laser, we take out the color surface of the painted film, obtaining a contrast on the same aluminium base. We obtain a good marking definition.



| MATERIAL         | LASER              | LENS  | SCANNERS     | MODE   | POWER | TIME             |
|------------------|--------------------|-------|--------------|--------|-------|------------------|
| Aluminio Pintado | <b>K-1010 PLUS</b> | 75x75 | 1.000 mm/sec | Static | 100%  | <b>0,29 sec.</b> |
| Aluminio Pintado | <b>K-1010 PLUS</b> | 75x75 | 500 mm/sec   | Static | 100%  | <b>0,06 sec.</b> |

## Marking Car Filters

This application requires to mark different materials in less than one second.

Marking with the Fiber laser a simple text and text with filling, at a frequency of 60KHz, we obtain contrast in both materials.

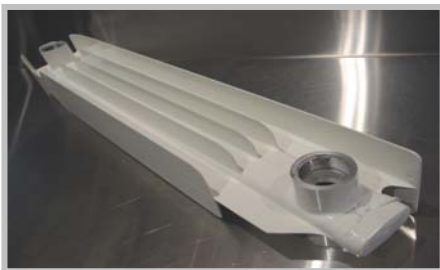


| MATERIAL        | LASER         | LENS    | SCANNERS     | MODE   | POWER | LINE SPEED     |
|-----------------|---------------|---------|--------------|--------|-------|----------------|
| Plastic / Metal | <b>F-9020</b> | 100x100 | 5.000 mm/sec | Static | 100%  | <b>0.95 sc</b> |

## Marking Painted Radiators

In this application we mark on dynamic a reference of 9 digits.

Marking with the CO2 laser, we take out some microns from the painted surface, without damaging the metal. Depending on the lenses we obtain more or less contrast.



| MATERIAL | LASER              | LENS    | SCANNERS     | MODE    | POWER | TIME             |
|----------|--------------------|---------|--------------|---------|-------|------------------|
| Pintura  | <b>K-1010 PLUS</b> | 60x60   | 1.600 mm/sec | Dynamic | 100%  | <b>0,07 sec.</b> |
| Pintura  | <b>K-1010 PLUS</b> | 100x100 | 600 mm/sec   | Dynamic | 100%  | <b>0,11 sec.</b> |

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