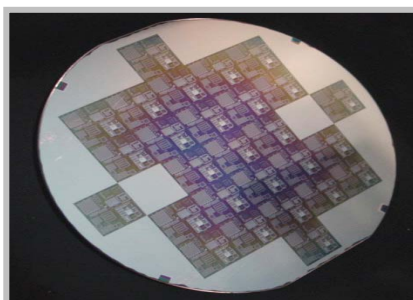


Application news



Marking Cosmetic Products



Marking Electronic Chips



Marking Ice Cream Containers

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 Cosmetic Products

This application requires marking a traceability code directly on the material.

We mark with the fibre laser directly on the black plastic , the result is a white marking on black.

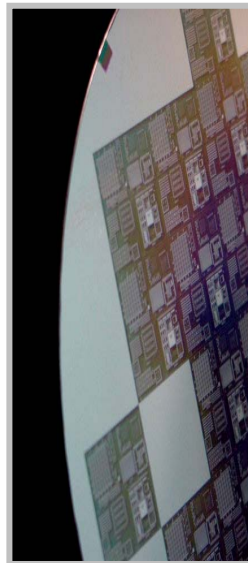
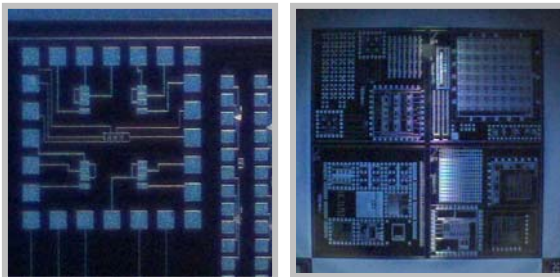


MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Plastic	F-9010	100x100	500 mm/sc	Static	100%	0,08 sec

Marking Electronic Chips

We mark a material reference at the back of the chip.

On the silicium surface the fibre laser reacts like as if it is marking metal. We mark the material with minimal damages on the surface, with the aim of obtaining the maximum contrast.

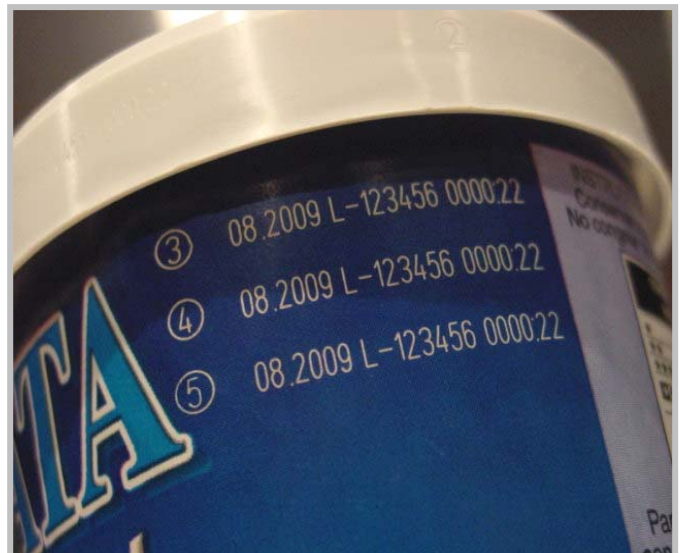


MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Silicium	F-9010	100x100	1,000 mm/sc	Static	100%	0,16 sec.

Marking Ice Cream Containers

With the CO2 laser, we mark the date and the batch number.

With the 60*60 lens we break the first colour coating, leaving a light marking colour on the dark surface.



MATERIAL	LASER	LENS	SCANNERS	MODE	POWER	TIME
Cardboard	K-1010 PLUS	60x60	300 mm/sc	Static	100%	0,54 sec.
Cardboard	K-1010 PLUS	60x60	1,000 mm/sc	Static	100%	0,19 sec

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