

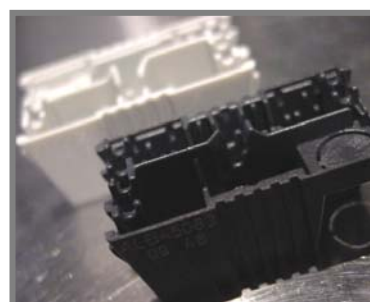
# Application news



**Marking margarine tubs**



**Marking soap wrappers**



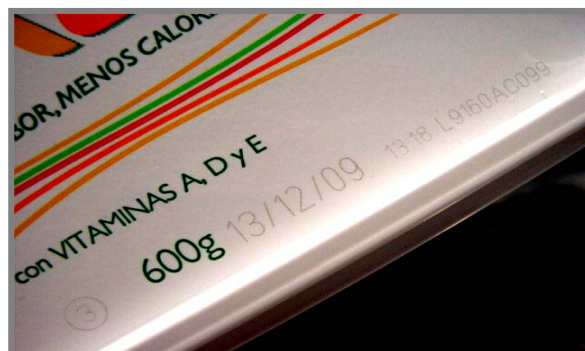
**Marking electrical components**

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 margarine tubs

This static application for Unilever margarine tubs, requires less than 1 second to mark the date, time and product lot number in different formats.

The Macsa D-5020 YAG laser codes directly onto the polystyrene lid; the dark message contrasts with the white substrate.



MATERIAL	LASER	LENS	LINE SPEED	POWER	TIME
Polystyrene	<b>D-5020</b>	100x100	Static	100%	<b>0,5 sec.</b>
Polystyrene	<b>D-5020</b>	100x100	Static	100%	<b>0,5 sec.</b>

**Marking soap wrappers**

This dynamic application for Unilever soap requires marking a lot number and a date on a 30m/min production line.

The Macsa K-1030 PLUS CO2 laser marks directly onto the black surface of the wrapper film producing a white contrasting print; there is no perforation or damage of the material.

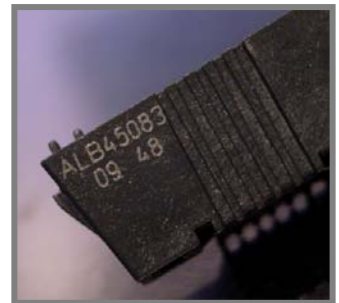
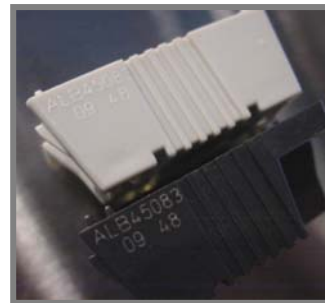
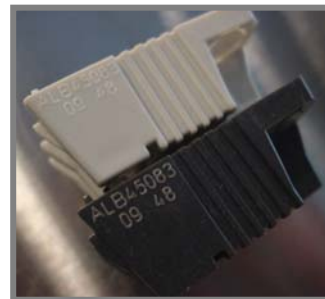
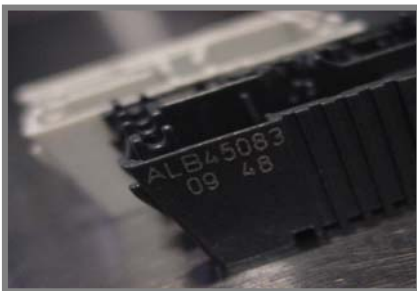


MATERIAL	LASER	LENS	LINE SPEED	POWER	TIME
OPP Film	<b>K-1030 PLUS</b>	60x60	30 m/min	100%	<b>0,23 sec.</b>
OPP Film	<b>K-1030 PLUS</b>	60x60	30 m/min	100%	<b>0,15 sec.</b>

**Marking electrical components**

This static application for Schneider requires part numbers to be marked on a number of different electrical components.

The iCON™ laser produces a good contrasting code because of the thermochemical reaction of the plastic material by the laser.



MATERIAL	LASER	LENS	LINE SPEED	POWER	TIME
PVC Plastic	<b>iCON</b>	30x30	Static	100%	<b>0,11 sec.</b>
PVC Plastic	<b>iCON</b>	30x30	Static	100%	<b>0,13sec.</b>

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