

DETERGENT BOX CODING

Bradma laser equipment is used to encode and mark products of a wide variety of materials, including paper, cardboard, plastics (PET, PVC, HDPE), glass, metals and wood. The messages and graphics that are achieved are of high quality, at a minimum operating cost and at high speeds.

Application News regularly provides a sample of products that are encoded and labelled with Bradma lasers, every day and worldwide.

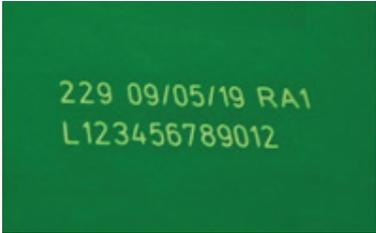


Packaging coding is one of the industries where the use of lasers is most widely used. **The reason for this is the high production rates, where a marking system without consumables such as lasers, apart from being more sustainable, is more durable and economical.**

By using CO2 technologies, the painted cardboard is an easy substrate to mark and the ink can be stripped with relative ease. Depending on the internal paint layer or the substrate, the visibility of the marking obtained is very high.

Depending on line speed requirements and message size, the required laser power will be higher or lower. In this case, for a coding of 2 lines and 15 characters each, with a character height of 5 mm, we have used a 30 watt laser with a wavelength of 10.6 microns and a 60x60 mm field lens to meet the customer's speed requirements: marking at 30 m/min with a spacing between marks of 100 mm.

The result is fine line marking with high contrast and visibility, which ensures excellent coding of the manufactured product.



LASER	SPA CB 30
LENS	60 x 60
INDUSTRY:	Homecare
APPLICATION TYPE	Codification
PRODUCT	Detergent box
MATERIAL	Painted cardboard
MARKING TYPE	Dynamic
MARKING TIME	0,07 s.
LINE SPEED	30 m /min



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