

# NII LASER TECHNOLOGY

## Dynamic Laser Marker BC Pro



### Overview

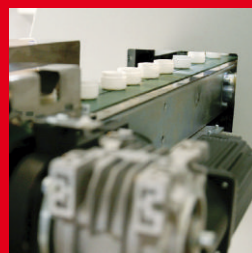
**DLM Pro (Dynamic Laser Marker)** series of laser equipment is designed for the precise laser marking on the inside or outside surface of the beverage closures of all kinds, including plastic closures, metal closures, synthetic wine corks and crowns. **DLM-BC Pro** is designed for the laser marking of plastic beverage closures. Closure material should contain special laser additive that increases laser beam absorption at 1,062  $\mu\text{m}$  wavelength. As a result of a laser beam interaction with the closure material color changes and marking occurs. Fully automated feeding and discharging unit Gravity Sorter allow very simple integration of **DLM-BC Pro** into the existing production line.

### Special features

- ♦ Beverage closures are transported on the conveyor belt to the marking area where marking process occurs 'on-the-fly'. Thus dynamic laser marking (DLM) allows reach high throughput with the highest marking quality.
- ♦ The software controls marking process of closures. Software allows to mark logos, text and numbers with randomizing option or numbers increment (decrement) as vector or rasterized graphics. Files should be imported to the laser system software in one of the mainly used formats (Corel Draw, Adobe Illustrator etc.).
- ♦ There is no more need in time-consuming setup process. If you need a small series of closures to be marked – just change file (graphics) and mark it.

### Overview

- ♦ Marking Quality Control system allows system to sort out samples with bad laser marking and puts them into separate box



# Flexibility guaranteed!



Technical data

## Dynamic Laser Marker BC Pro

Beverage closures material	Polyethylene Polypropylene
Closures diameter	28 - 38 mm
Color of the marking graphics	Dark, light
Output capacity (10x2mm symbols)	from 50 000 up to 90 000 parts/hour
The quantity of randomly marking files	14
Software	NII Laser Technology Marker
Power requirements	3 x 380V 50 Hz
The average power of laser sources	100 W
Connected load	6 kW
Dimensions, W x H x D	1680 mm x 1480 mm x 1510 mm
Approximate weight	510 kg

## Gravity Sorter

Diameter of closures, mm	28 - 38
Capacity, pc./h	100 000
Volume of hopper, m <sup>3</sup>	0,5
Body material	Stainless steel AISI 304
Power supply	3 phase, 5-wire AC power, 380 V, 50 Hz
Max. power consumption. kW	1.1
Overall dimensions (W x H x L)	2535 mm x 2920 mm x 2700 mm
Weight, kg	max 720



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