



**ECO**  
Low ink  
consumption



[www.gencode.it](http://www.gencode.it)



- Piezo inkjet technology
- Resolution: 180 dpi
- Number of dots: 508
- Print speed: up to 90 m/min
- Print height: 71.5 mm
- Drop size: 12-72 pl
- Grayscale print
- With ink recovery

System with UV lamp in the picture

## Description

**NC-508** is a high resolution printer designed to print barcodes, texts, logos, dates and any other type of information on **porous and semi-porous** surfaces with oil-based inks and on **non-absorbent** surfaces with UV and solvent inks.

With a superior number of interfaces it can be easily integrated in any production line and connected to many devices (scales, scanners, LAN, BCD).

With the ink system (**SINK**), purge operations are carried out without waste of ink.

The ink is recovered and reused thus **reducing ink consumption**.

Savings compared to standard systems can be up to 50%.

Thanks to the **grayscale print** you can realize prints with very high quality shades.

The new **NetCoder** technology allows the system to be totally **modular**.

The simple and intuitive **touch screen** console can control up to **four print heads** simultaneously.

### User friendly interface.

The colour 12" display and the touch screen together with the **IconTouch** interface makes it easy to setup and operate.

### Coding and marking of products and packaging.

The software allows to code products with a wide range of variable fields.

### High resolution printing.

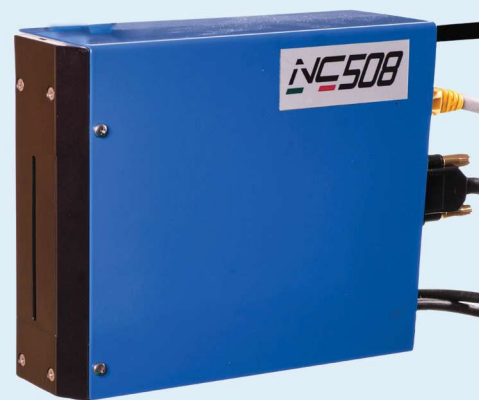
With a vertical print resolution of 180 dpi, **NC-508** realizes very high quality prints.

### Wide packaging customization.

High resolution digital printing creates any kind of logo, any kind of barcode and text, reproduces high definition images and photos, customizes and makes pleasant any packing material.

## Print Samples





## Technical Specifications

### Applications

- High-resolution printing of text, graphic, barcode.
- Wide customization of secondary packaging.
- UV and solvent inks to print on non-porous surfaces, MOF (Mineral Oil Free) ink for porous substrates.
- Ideal where high definition texts, barcodes, images are required to highlight and identify the packaging.
- Ideal on high speed conveyor lines.

### Print Specifications

- Print technology: piezo ink jet.
- Vertical print resolution: 180 dpi.
- Max printing speed: up to 90 m/min @180 dpi.
- Print height: 71.5 mm.
- Print length: 5000 columns equal to about 700 mm @ 180 dpi, 1400 mm at 90 dpi.
- Barcodes supported: EAN 13, EAN 128 (A, B, C), CODE 39, UPC-A, CODE 128 (A, B, C), ITF (Interleaved 2/5), ITF 14 and 2D barcodes (PDF417, MaxiCode, Data Matrix, QR Code).
- 200 hypertexts for each message file.
- Any font installed in the operating system and accepted by the software can be printed.

### Electrical Specifications

- Supply voltage: 90-264 Vac 50-60 Hz.

### Interfaces

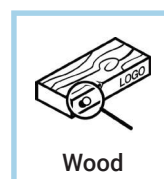
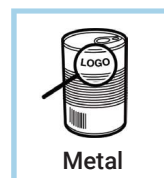
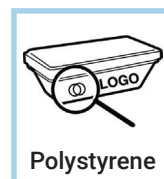
- Windows 10 embedded operating system.
- Standard interfaces: Ethernet, USB, RS232, RS485, HDMI.
- Other interfaces: BCD (Binary Coded Decimal), two-signal encoder, scales, scanners.
- Operator's interface: 12" display with touch screen and IconTouch.

### Accessories and Consumables

- Brackets, floor stand, console stand.
- Encoder, photocell.
- Inks and solvents, filters and lint-free wipes.
- UV LED lamp.

### Other

- Operating temperature: 0-50 °C
- Ink type: MOF (Mineral Oil Free), UV, solvent.
- Spring loaded adapter to maintain a constant distance from the printing material.
- Ink system (SINK) to control automatically the ink supply to the print head and the purging operations.
- Integrated software to manage complex images.



## Dimensions

- **NC-508 printhead:**  
width: 67 mm, length: 236 mm, height: 152 mm
- **SINK-nc without one liter bottle:**  
width: 95 mm, length: 215 mm, height: 125 mm
- **With one liter bottle:** height 345 mm
- **Control console:**  
width: 340 mm, length: 280 mm, height: 160 mm

