

series **LP7000⁺** Ink Jet Printer &
maccell[™] Printhead



Fine & Clear Dots, Easy Operating,
High Speed Print, Smallest Printhead,
No Blocked Nozzle



series **LP7000⁺** & **maccell** printhead



Non-Contact Ink Jet Printer for Large Character

- Fine & Clear dots
- Smallest printhead
- Various applications
- High speed operation
- Dialogue menu
- Easy customer character graphic
- Large view finder LCD display
- Large & safe ink supply system



maccell "P" Type M.E.K base ink marking

series **LP7000⁺** ink jet printing system focuses on various applications and easy operation.

It is designed as a impact, fine ink jet printer and adopts separated design, large graphic LCD and dialogue menu. Using Font Reduce mode you could get flexible, fine marking within 12~63mm. It is available for fast drying ink on non-porous surface such as PP Bag, Steel, Vinyl, Glass, P.V.C, etc.

By adopting the fastest and smallest solenoid valve made by Inter Mac's technology, **maccell[™]** printhead, We guarantee fine dot marking, no blocked nozzle, wide applications and new marking quality you have never experienced before.



Perfect printing solution!

maccell™ printhead

has adopted brand-new solenoid valve which is back end off technology.

It is designed for easy installation and maintenance with the most compact size. **maccell™** printhead has three types of 7, 16 and 32 nozzles.

It is available for water base ink and MEK base ink.

You could select proper nozzle plate depending on marking size and ink type since there are 2 different ID nozzles.

New technology of **maccell™** printhead makes the nozzle not easily blocked and adjust the amount of the ink jet by spining the solenoid valve of a very small independent structure.

If necessary, it is possible to exchange only Solenoid valve or Rubber needle.

Printhead has two different lines for entrance and exit of inks.

It enables ink recycle and makes auto-cleaning inside of the printhead easier. Because of development of the most compact solenoid valve, marking speed could be more faster and it provides various range of installations.



maccell "P" Type M.E.K base printheads



maccell "C" Type Water base printheads

Wave Utility Bracket

This is designed by Inter Mac Marking on purpose and was made to figure out error factor caused by distance difference between product and printhead.

「This bracket is useful on PP Bag, Paper Bag, Drum, uneven product surfaces which goods can not be moved certain position.」 This can keep the distance between bracket and products, therefore, clean and fine marking is possible on various materials.

It also could be mounted top and bottom side depends on your preference.



SUS ink container



Wave utility bracket

Specifications

controller

Smart and durable design
 64 X 128 back light Graphic LCD
 "Hot keys (dot size, purge, print speed, delay)"
 Tone-up embossing keypad
 Graphic function for user character
 "Input and printing up to 1,000 characters per line"
 User memory locations up to 100 datas
 Graphic memory locations up to 50 datas
 Display for various language support
 Password function
 RS232 or 485 communications
 Multi-connection up to 15units of controller
 Available to use Speed encoder
 Tilt adjustment for character height

Model	macell LP7100 ⁺	macell LP7200 ⁺
Output	7 nozzles	16 nozzles
Print font (HxW)	5x5, 7x5, 7x10	5x5, 7x5, 7x10 16x10, 16x20
Power	AC90-250V Free voltage, 60Hz	

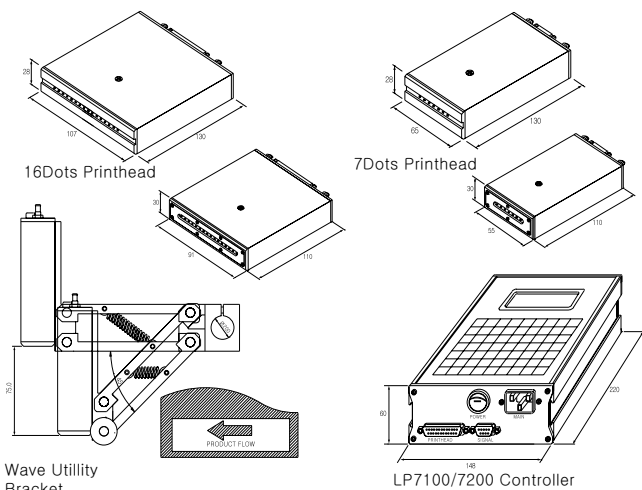
Various printing functions

real time, expiration date, shift code, shift name, julian date
 up&down counter, even & odd counter, batch counter
 single/ double/ light print, repeat print

Font reduction(Free adjustment of character height)

Character height can be adjusted up to 5 steps in vertical

Dimension



macell printhead

The fastest print speed
 The lightest weight
 Patent back end off technology
 Easy maintenance & changeable each solenoid parts
 Not easy to be blocked nozzle & manifold design
 Ink inlet & outlet design
 Fast & fine drop dots

Type	Type "P"		Type "C"	
Model	P706	P703	C706	C703
Ink	MEK or Alcohol base		Water base	
Print speed	up to 170m/min		up to 120m/min	
Nozzle DIA (micron)	170, 140 (option: 250)		170, 140	
Weight	320g	495g	390g	580g
The number of nozzle	7	16	7	16
Character Height(mm)	26	63	14 or 24	33 or 60

Accessories(options)

Easy cleaning system
 Air supply system
 Control case system
 5, 14 liters SUS ink container
 Shaft encoder & wheel

Environmental condition

5 - 45°C, max 90% non-condensing

Ink system

Safe 2.5liters SUS ink container
 Ink level view finder

Inks

Fast dry MEK base ink
 Alcohol and water base ink
 Pigmented ink(for pigment system)
 UV readable & customized inks