

## KGK JET CCS-3000

Consumable consumption reduced by 35% compared to old model.  
Easy to integrate with 16 machine in master-slave system.



<http://www.kishugiken.co.jp/>



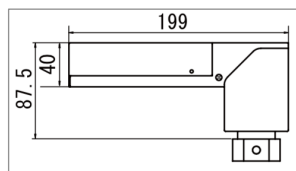
### ● Removable 10.4 Inch Touch Panel

- 10.4 inch touch panel can be removed from the machine, with an extendable cable up to 3.5 meter.
- You can control the machine remotely when operating or maintenance. This will be extremely useful when user wants to have a single control station, or controlling the machine during the maintenance.



### ● Nozzle Capping Mechanism

- Nozzle is capped or closed in air tight condition to prevent nozzle clogging or drying. This technology significantly reduces the amount of printhead maintenance.

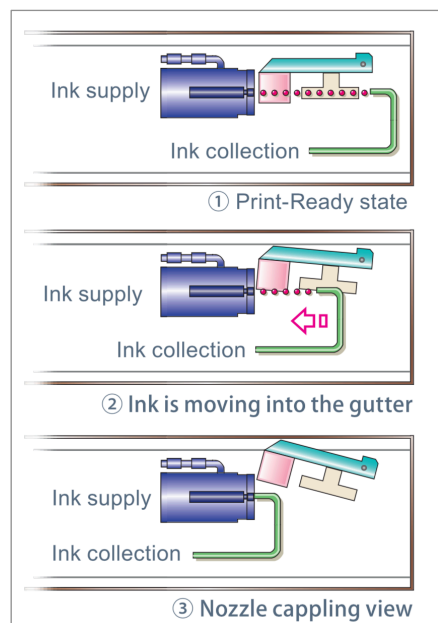


### ● Small Printhead Dimension

- Small printhead dimension making it easy to install even in the most narrow production space or area.
- L-Type printhead also available for even more space demanding installation spaces.
- The same easy-to-maintain philosophy is adopted for the printhead. Nozzle capping mechanism and auto circulation timer function are available to prevent ink clogging the nozzle even during long term storage.

### ● Intuitive Software Design for User Interface Operation

- Using Icons and colour codes with good visibility to enable intuitive operation.
- Illustrations and animation are displayed in the screen so that it is visually easy and quick to understand when using the machine.
- Inner structure of printhead and controller are presentable during maintenance procedures, to shortened the learning curve of understanding and maintaining the machine.



## ● SPECIFICATIONS

Item	Parameter Value
Technology	Continuous Ink Jet
Nozzle Diameter	40 / 50 / 60 µm
Printing Height	40µm nozzle: 0.8 ~ 5 mm 50µm nozzle: 1 ~ 10 mm 60µm nozzle: 2 ~ 10 mm
IP Rating	IP65
CE Marking	Compliant
ROHS Directive	Compliant
Max Printing Speed (characters / second) Font 5x5, 1 char spacing	2666 (40µm nozzle)    2041 (50µm nozzle)    1780 (60µm nozzle)    *Also depends on the ink used
Printing Substrate	Metal, Glass, Plastic, Film, Rubber, Etc
Ink	Dye or Pigment Ink * Please inform us if you need special requirement ink
Number of Lines and Fonts	1-6 lines: 5x5, 5xN    1-4 lines: 7x5, 7x8, 7xN    1-3 lines: 9x7, 9x9, 10x8, 12x10 1-2 lines: 16x12, 16x16, 24x18, 24x24    1 line: 24x18, 24x24, 32x24, 32x32
Number of Characters per Message	Up to 4096 Characters
Font Type	Gothic Mincho
Character Type	Alphabet (upper/lower case), Number, Symbol, Hiragana, Katakana, Kanji (JIS first and second), Simplified Chinese (GB212), Arabic, User Character
Date Time Printing Function	Roman Calendar, Japanese Era, Month, Day, Day of the week, hour (12/24H), Day of the year, Week of the year, Upper and middle of month (variable period setting), AM/PM, Character assignment function (Assign year, month, day, hour, minute, second to another character of 4 - 15 digits)
Numbering Function	Up to 10 digits, Optional initial value setting, Up/down, Repeat (1 number can be repeated between 1 - 9999 times), Zero suppression function, Numbering character assignment function (Can be assigned to character other than numbers), decimal numbers setting (2 - 36) can be divided (insert characters between numbers)
Distance Printing Function	Up to 10 digits, splittable (insert any characters between numbers)
Multi Printer Function	1 master to max 16 slaves. Function: Start/Stop, Power Off, System Clock, Message Selection, Print Condition, Set Current Value for Numbering
1D Barcode	ITF, Code 39, Code 128, NW-7, JAN
2D Barcode	QR Code & Data Matrix
Message Storage	999 Messages
Data Input	10.4 Inch Touch Panel LCD, RS232C Communication, Ethernet Communication
Communication Port	RS232C 1CH Maximum 115,200bps, Ethernet
External Port	I/O, Sensor, Encoder, Signal Tower, USB, UPS
Head Conduit Length	3,5 Meter
Operating Temperature	0~40°C 10~85% (No condensation)
Power Supply/Consumption	220 VAC 50/60Hz 80W (120VA)
Head Positive Pressure	Use 6 or 8 mm outer diameter tube, with air flow of 10 litres/minute, with air filter attached
Dimensions (width x depth x height)	Controller: 400x347x548 mm Head: 40 x 199 x 40 mm
Weight	25 Kg
Grounding	Type D Grounding

## ● DIMENSIONS

