**KGK Co., Ltd.**

# KGK JET CCS-R

Full stainless steel body, automatic nozzle capping mechanism.
Robust heavy duty model.

| DEDICATED 1 PRINTHEAD | INK DYE/PIGMENT | COMM | WYSIWYG KEYBOARD | COMPACT PRINTHEAD | A 10mm print |
|---|---|---|---|---|---|

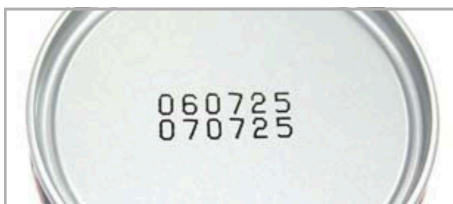http://www.kishugiken.co.jp/

## ● Full Stainless Body

· Full stainless steel body and casing, resistant agains natural elements and easy to maintain.

## ● Flexible Environment

· Built-in heater inside printhead, so that printer can run from 0° C to 40° C temperature.

· Built-in air pump, to generate positive pressure inside the printhead preventing contamination from outside. Easy to use even in dusty environment.
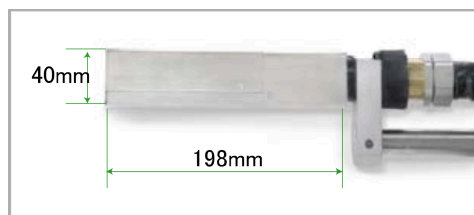
Accurately printing on small area

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060725
070725
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Printing not peeling off (great bonding strength)

Printing on substrate like glass (quick drying)

Controller

Bracket & Printhead

40mm
198mm

Small printhead dimension

## ● Easy Operation

· Equipped with full keyboard for easy WYSIWYG interface and operation.
· LCD screen will display the printer output during printing and editing as well.

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* "What You See Is What You Get" LCD interface. Easier to preview, edit, and set message to print.
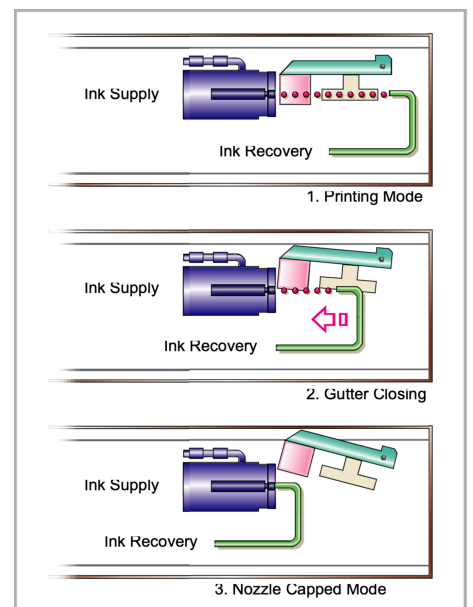
## ● Easy Installation

· Small printhead dimension allows printing close to various substrate shapes, and easy to install even in limited production space.

## ● Simple Maintenance

· Built-in interval mechanism automatically circulates ink even when the device is not in use, and gutter will capped nozzle in air-tight condition.

Ink Supply
Ink Recovery
1. Printing Mode

Ink Supply
Ink Recovery
2. Gutter Closing

Ink Supply
Ink Recovery
3. Nozzle Capped Mode

Mechanism of automatic nozzle capping

## ● SPECIFICATIONS

| Item | Parameter Value |
|---|---|
| Technology | Continuous Ink Jet |
| Nozzle Diameter | 40 / 50 / 60 µm |
| Printing Height | 40µm nozzle: 0.8 ~ 5 mm<br>50µm nozzle: 1 ~ 10 mm<br>60µm nozzle: 2 ~ 10 mm |
| IP Rating | IP54 |
| CE Marking | Compliant |
| ROHS Directive | Compliant |
| Max Printing Speed  (characters / second)<br>Font 5x5, 1 char spacing | 2666 (40µm nozzle)    *Also depends on the ink used<br>2041 (50µm nozzle)<br>1780 (60µm nozzle) |
| Printing Substrate | Metal, Glass, Plastic, Film, Rubber, Etc |
| Ink | Dye or Pigment Ink<br>* Please inform us if you need special requirement ink |
| Number of Lines and Fonts | 1-4 lines: 5x5<br>1-3 lines: 7x5, 7x8<br>1-2 lines: 9x7, 9x9, 10x8, 12x10<br>1 line: 16x12, 16x16, 24x18, 24x24 |
| Number of Characters per Message | Up to 512 Characters |
| Font Type | Gothic Mincho |
| Character Type | Alphabet (upper/lower case), Number, Symbol, Hiragana, Katakana, Kanji (JIS first and second), Simplified Chinese (GB212), 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 one digit) |
| Numbering Function | Up to 8 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) |
| 1D Barcode | ITF, Code 39, Code 128, NW-7, JAN |
| Message Storage | 50 Messages |
| Data Input | Keypad, RS232C Communication |
| Communication Port | RS232C 1CH Maximum 76,800bps |
| External Port | Sensor, Encoder, Signal Tower |
| Head Conduit Length | 3,5 Meter |
| Operating Temperature | 0~40℃ 10~85% (No condensation) |
| Power Supply/Consumption | 220 VAC 50/60Hz 70W (100VA) |
| Head Positive Pressure | Built-in Air Pump |
| Dimensions<br>(width x depth x height) | Controller: 450x300x674 mm<br>Head: 40x199x40 mm |
| Weight | 30 Kg |
| Grounding | Type D Grounding |

## ● DIMENSIONS