KGK JET India
Subsidiary of Kishu Giken Kogyo, Japan

KGK JET CCS-R
Small character Industrial Ink Jet Printer

http://www.kgkjetindia.com

◼ Simple, Efficient and Stable marking & coding

- Freedom to edit 1 to 4 lines of text, serial number, linear bar code, as well as graphics and logo.

- Built-in positive air pressure inside print-head, keeps dust and humidity out.

- Diaphragm pump minimizes heat, thus eliminating ink evaporation.

- Scheduler: Auto Start & Stop function is designed to start the machine immediately even if the machine has not been operated for a very long time.

- Simple & convenient to integrate with on-line or off-line check-weigher machine, PLC & PC through RS-232C communication port.
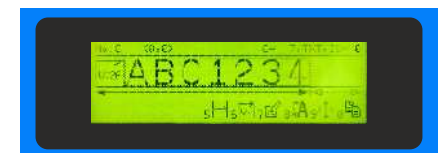
◼ Service Management System (SMS)

In-built value-added feature which triggers for a service request.

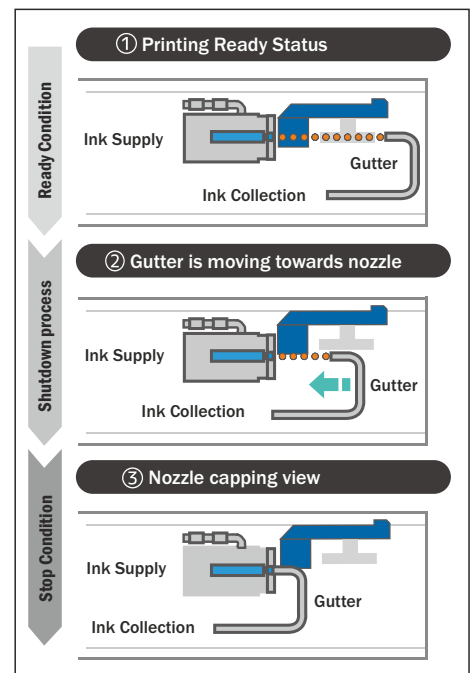Code accurately even on the high precision equipment with special inks.

High speed coding on complex shapes from first to the last print.

◼ Sturdy N-Type printhead to reduce operating cost

Available in 40µm / 50µm / 60µm nozzle.

Our Pigmented inks provide high contrast and legible coding on smallest to largest cable sizes. Quick dry inks ensures no print transfer.

◼ Printhead designed to improve efficiency

To enhance work efficiency, printhead has been designed for quick changeover between lines and can operate in a smaller space.

◼ Built for rugged use

Keyboard & screen is built to be highly responsive and accurate, while also providing a longer lifespan.

◼ Automatic Nozzle Capping™ Technology

KGK Jet Patented Nozzle Capping Technology automatically close the nozzle with gutter, if the printer is not in use. This prevents ink getting exposed to external environment and contamination resulting significant savings for customers.

Ready Condition
① Printing Ready Status
Ink Supply
Gutter
Ink Collection

Shutdown process
② Gutter is moving towards nozzle
Ink Supply
Gutter
Ink Collection

Stop Condition
③ Nozzle capping view
Ink Supply
Gutter
Ink Collection

Specifications

Item	CCS-R
Printing Mode	Continuous Ink Jet (Continuous Charging System)
Print Height	0.8~5mm (40-μm nozzle), 1~10mm (50-μm nozzle), 2~10mm (60-μm nozzle)
Print Speed	Max. 2666 characters / sec. (5 x 5 dot font and 1 character space - 40μm Nozzle)
Ink Type	Low migration Black ink for cables · Mild solvent based Yellow Ink · Oil resistant and super adhesive Black Ink · Mild solvent based Red Ink · Fast drying super adhesive Black Ink · Pigment based alcohol proof White Ink · Water soluble Black Ink · Mild solvent based Blue Ink · Invisible Fluorescent ink · Food grade Ink · Colour inks (Yellow, Red, Blue & Black)
Character Type	English alphabet (upper / lower cases), numeric, symbols. Arabic characters Chinese characters (JIS 1st and 2nd standard), user characters and simplified Chinese characters (GB2312)
Print Lines and Dot Configurations	[1 to 4 Lines] 5×5, 5×N, [1 to 3 Lines] 7×5, 7×8, 7×N, [1 to 2 Lines] 9×7, 9×9, 10×8, 12×10 [1 Lines] 16×12,16×16,24×18,24×24
Font	Gothic
Number of Registered Messages	50 messages max
Expiry Date / Time	AD year, Japanese era name, year / date, day of week, time (12/24 schedule) annual serial date, annual serial week number, early / middle / late part of month (variable term Setting), AM/PM and the replace character function Julian date, Shift code (replace year, month, day, time, minute and second with different characters in single digit)
Numbering Function	Max 8 digits, optional default value setting, up / down, carry (1 count can be set ranging from 1 to 9999 works), Zero suppression function (replaces zeros in higher digits with spaces), numbering replace - character function. (replaces with characters other than figures)
Bar Code	ITF, NW7, EAN, Code39, Code 128
Communications Function	RS-232C 1 ch, 76,800 bps max.
Head Cable	3.5m
Nozzle Options	40μm / 50μm / 60μm
Data Input	Feather touch full keyboard, RS-232C communications
User Interface	English & Japanese ※ Please note that there may be some languages not applicable depending in their fonts installed.
Distance Printing Function	Meter Marking (Prints can be separated by a maximum of 10 meters)
Outer Shape Dimensions	Main body : 674 mm in height x 450 mm in width x 300 mm in depth Print head : 40 mm in height x 40 mm in width x 199 mm in depth
Environmental Conditions	0 to 40℃, 10 to 80% RH (with no condensation)
Power Supply	AC100-240V, 50/60Hz, 70W Single Phase
Weight	26kg
Grounding	Class D

■ Optional Accessories

Photo sensor	Reflecting type / transmission type, cable length : 1 meter min. to 5 m max.
Encoder set	5000 or 10000 ppr, cable length : 1 m min. to 5 m max.
Stand	Printer head stand, table top controller stand
Communication cable	RS232 cross cable, cable Length : 1 m min. to 15 m max.
Push button switch	Connectable to the photo sensor connector and usable for manual character verification
Alarm status	3 light alarm beacon

Specifications and design are subject to change without any notice

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