KGK 紀州技研

KGK JET CCS3000E

New generation industrial continuous ink jet printer
Low make up consumption, up to 35% saving (compared to ccs model)

- Compact Print head
- A <1mm OK
- Touch Panel
- 専用機 1 Single Head
- INK Pigment OK

The KGK CCS3000E
Versatile and Economy

- Versatile coding
- Easy to install & integrate
- Simple to use
- Minimum maintenance

KGK JET CCS3000E

ABCDEF

※ Colour LCD, Detachable

KGK JET CCS3000E

next generation of industrial small character ink jet printer

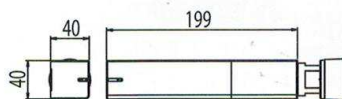rugged cabinet design, stainless steel body, rated IP54, dust and splash proof

Unique design and user friendly

● **Compact print head**
The compact print head design enable flexible & accessible to various area/location

● **Detachable**
5.7 inch color LCD touch panel

*Panel cable length - 3.5m

40 199
40

Compact print head is capable to print out at various form of object even in tight area

The interval system inside the machine will automatically retrieve the ink thus preventing nozzle clogging by dried up ink whenever the machine operation stop for long hour
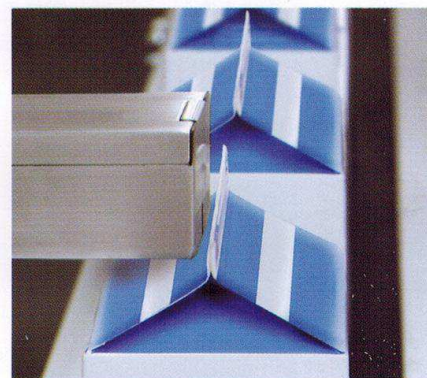
PP/PE bag
CN300 black

PVC wire
CP105 white

PET bottle
CN101 black

● QR code, data matrix capability
Applicable to 1 or 2 dimensional bar-code printing

● Interval print length control (compatible with encoder and internal clocking)
Cable is printed with a fixed pitch length of marking (mm)

● 4,096 characters can be registered in 1 message
Store up to 999 messages

● Compatible to external USB memory
Applicable to USB 1.0 standard & above.
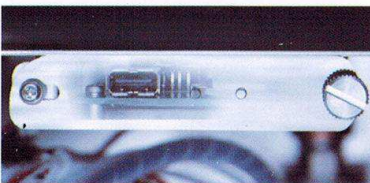
● Compliance
CE marking & RoHS compliant

● Protection
Designed to IP54 rating for dust and splash proof

● 10 digit numbering
Additional zero suppress and binary setting capability

● User interface
English, Chinese, korean, Italia, France, German, Spanish, Iran/Arabia and Turkey

● L-type print head
Compact and easy to integrate

238
48
89
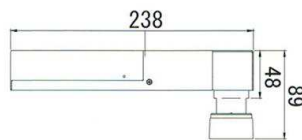
● Reduced fluid consumption
Make up - up to 35%* saving
(compared to ccs model)

● Auto voltage
AC100V~AC240V

● Enhanced communication speed by ethernet

● Environment temperature range for installation: 0~42°C

● Nozzle sealed system
(Refer to bottom right figure)
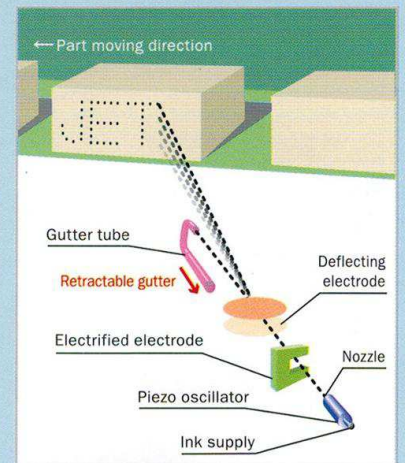
● Internal head heater for cold environments

● High definition micro coding, as small as 0.8mm in height

● Intelligent connector for quick ink pump maintenance
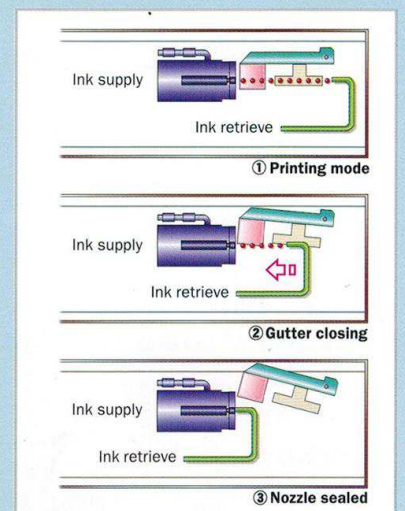

060725
070725

Concept of IJP continuous system

During printing idling mode, ink liquid will be circulated or retrieved in the gutter tube. The electrified ink that is controlled by the deflecting electrode will be printed on the printing substrates depends on input printing signal

← Part moving direction

Gutter tube

Retractable gutter

Electrified electrode

Deflecting electrode

Nozzle

Piezo oscillator

Ink supply

Nozzle sealing system

Evacuate the maintenance during start or stop
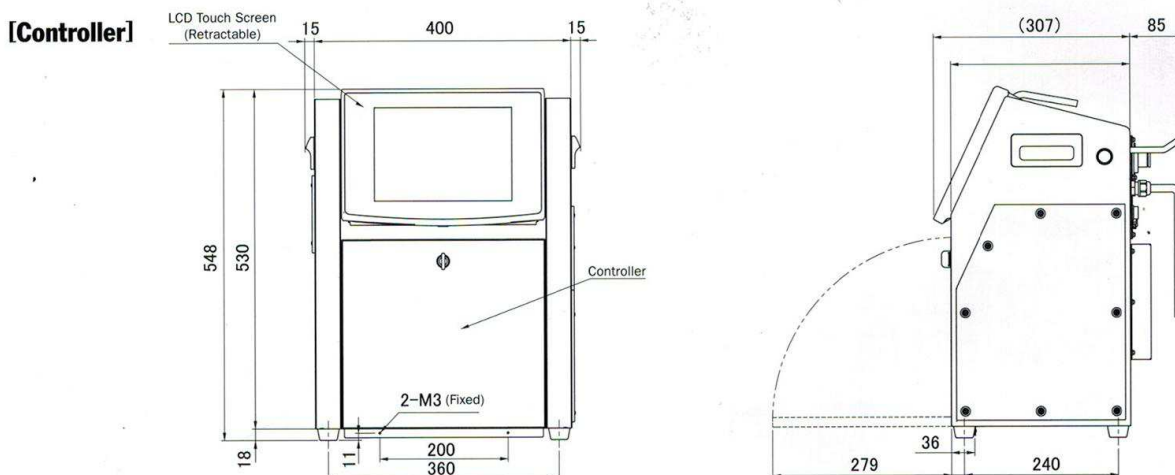Improve solvent consumption substantially

Ink supply
Ink retrieve
① Printing mode

Ink supply
Ink retrieve
② Gutter closing

Ink supply
Ink retrieve
③ Nozzle sealed

*environment temperature 20°C

● Technical Specifications

Items	Specifications		
Ink types	MEK base: Black•Red•Blue•UV(curable), Pigment Base: Black•White•Yellow, Red•Green(for egg-coder)		
IP rating	IP54		
CE marking	Yes		
RoHS	Compliant		
Screen size	5.7" Colour LCD Touch Screen		
Control panel length	3.5m detachable		
Nozzle size	40µm / 50µm / 60µm		
Character height	[40µm nozzle] 0.8~5mm	[50µm nozzle] 1~10mm	[60µm nozzle] 2~12 mm
Max. print speed [cha./sec.] (5x5 dot, interval 1)	[40µm nozzle] 2,666	[50µm nozzle] 2,041	[60µm nozzle] 1,780
Lines & Dots Matrix	[1~6 line] 5x5 [1~2 line] 16x12, 16x16	[1~4 line] 7x5, 7x8 [1 line] 24x18, 24x24, 32x24, 32x32	[1~3 line] 9x7, 9x9, 10x8x 12x10
Memory	Maximum 999		
Character length	Maximum 4,096 characters		
Fonts	Alphanumeric, symbols, Hiragana, Katakana, Kanji, Simplified Chinese & user input		
Barcodes	ITF, NW7, JAN, Code39, Code128		
2D codes	Data Matrix, QR code		
Connections	I/O, signal lights, RS-232C, LAN, encoder, UPS, USB memory		
Interfaces	Touch Panel, RS-232C Comm., Ethernet		
Communication	RS-232C 1CH Maximum 115,200 bps, Ethernet		
Conduit length	3.5m		
Dimensions	• Main unit: 400W x 347D x 548H • Print head: 40W x 199D x 40H		
Environmental Standard	0~42˚C, humidity 10~95% (Non-condensing)		
Electrical requirements	AC100~240V 80W		
Weight	25 kg		
Grounding	Type D ground		

● Dimensions

all dimensions in mm

[Controller]

LCD Touch Screen (Retractable)   15   400   15

548   530

2-M3 (Fixed)

Controller

18   11   200   360

(307)   85

36   279   240

Due to our policy of continuous product improvement, specifications are subject to change without notice. E & OE.