tidirefi
PRINTERS , INKS & SPARE PARTS

DATA SHEET

INDUSTRIAL CIJ PRINTERS

KV55

390 m/min
max. printing speed

3-30 mm
printing height

IP65
protection level

6000 h
between maintenance

Smart marking and coding



About the product

- **Dynamic phase adjustment system**
- **Reduced consumables usage**
- **Adaptation in any environment**
- **Precise timing control**
- **Optimize user experience**
- **Enhanced sealing design**
- **Environmentally friendly**
- **The only manufacturer to offer** a 2-year extended warranty.

Introduction

The KV55 continuous inkjet printer features a modular design (print module, ink core, valve block, etc.) suitable for efficient micro-character printing, which is widely used in the food, chemical, pharmaceutical and many other industries. Its excellent print quality and ink system stability allow it to operate smoothly in uninterrupted production environments with high workloads.

Dynamic phase adjustment system

Closed-loop control during the inkjet process, improving ink system stability.

Reduced consumables usage

Innovative low solvent consumption system by optimizing the ink system, reducing consumables evaporation and saving on industrial application costs. Forget about maintenance problems every 6000 hours.

Adaptation in any environment

(Wide environmental adaptability) The robust housing design ensures comprehensive protection of the equipment, operating reliably in dusty environments and in environments with high humidity or water vapor.

Precise timing control

Equipped with a state-of-the-art microprocessor, the equipment implements a timing control system that ensures high precision in ink droplet generation and electrical charge, achieving high stability and efficiency in the printing process.

Optimize user experience

Large color touch screen with simple and intuitive interface and print message preview function. Improves equipment operating efficiency and reduces inkjet errors.

Enhanced sealing design

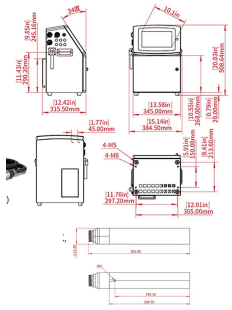
Integral sealing technology of the electronic boards, ensuring total waterproof and dustproof isolation and enabling the equipment to operate stably in harsh production environments.

Environmentally friendly

Supports environmentally friendly inks and solvents, reducing the impact on nature. Complies with all ecological production regulations, helping companies to achieve sustainable development.

Printing features

Printhead duct	3 m
Nozzle specifications	60u
Printing distance	2-16 mm
Printing height	3-30 mm
Printing lines	1-5 lines
Max. printing speed	390 m/min (5 dots in 1 line, 0.5 dot spacing)
Counter	Up to 24 counters
Ink type	High adhesion, high temperature resistance, food grade, oil resistance, dye ink
Printing materials	Carton, plastic, cable, metal, boarding, pipe, stone, glass, electronic components, auto parts, industrial chemical packaging, medical/ food /gift box
Print content	Text, time, date, logo, shift, SN, dynamic barcode/ QR code, dynamic serial data, dynamic database (additional content can be added as required)
Barcode types	CODE11, C25INTER, CODE39, EXCODE39, EAN13, EAN13X, CODE128, CODE16K, CODE49, CODE93, Flattermarken, UPCA, UPCE, EAN14, VIN, NVE18, ITF-14
QR code types	QRcode, DataMatrix, MicroQRcode, PDF417, PDF-417TRUNC, MICROPDF417 (more types available on request)



Machine parameters

Operation system	Embedded Linux security OS
Display screen	10.1-inch capacitive touch display, resolution: 1280x800
External interface	Photocell, encoder, alarm light, information control
Protection level	IP65
Power supply	Input 100-240 V AC
Housing material	SUS 304 stainless steel
Rated power	100 W
Memory	256 Mb
Certificates	CE, ROHS
Working environment	Temperature 0~45 ℃ / Humidity 30~70 % Rh
New weight	18 kg
Dimensions	Housing: 384.50 mm x 315.50 mm x 508.64 mm / Printhead: Ø41.40 mm x 262.00 mm
Communication interface	USB, RS232, network port, connected to enterprise MES management system (various external device protocols can be added)
Languages	Support more than 40 languages (Chinese, English, Arabic, Danish, German, Russian, French, Finnish, Korean, Japanese, Spanish, Italian, etc.)

Where it can mark



Cable



Daily chemical products



Tapes and labels



Canned food



Chocolate



Eggs



Cosmetics



Date and batch