



Marking & Coding

Solutions for Pharmaceutical

Industry



Reliable marking & coding solution for Pharmaceutical industry

We at KGK understand the challenges of pharma industry and provide consistent & reliable solution

For more than five decades, KGK's solutions and services have helped the world's leading drug manufacturers and biomedical firms enhance operations and build more reliable, effective & profitable businesses.

Why KGK Jet ?

Safety

Safety is huge challenge for pharma manufacturers. It covers several aspects, from consumer, manufacturer, supply chain and packaging security. Apart from batch code and expiry date the traceability provides valuable investigation tools to monitor the supply chain, improve quality control, and limit losses due to material return. Our solution ensures clear & accurate coding as well as IQ/OQ validation.

Uninterrupted Uptime

Complex operations and packaging schedules results in production uptime without compromising on quality. You need them to be compliant, economical and safe while minimizing maintenance and preventing scrapped product due to unreadable codes.

Visibility & Compliance

The authenticity and visibility provided by our printing solutions enable you to establish trust with partners and customers. For customers, your brand becomes a symbol of quality, safety and authenticity. For partners, traceability help them easily track the product without conduct testing in supply chain.

End-to-End Traceability

Traceability is the capacity to track the movements of medications and drugs within the supply chain, from the production line up to the customer. At any point manufacturer can verify, transit history, from manufacturing, packaging, handling, distribution, delivery in entire retail chain.

KGK Jet offers reliable aid to the printing needs for pharmaceutical industry. We have state-of-the-art ink jet printers for CIJ, DOD and TIJ technologies, as well as our owned researched print examiners range for fast, reliable and accurate performance.

A blue circular icon with the letters 'CIJ' in white, surrounded by a pattern of small blue dots.

CIJ

Continuous Ink Jet (CIJ) Printers

Our CIJ printers has boosted confidence of many a customer on the reliability and cost effectiveness owing to the patented Nozzle Capping Technology, where in the Ink,& Solvent (make- up) consumption is considerably lower and the uptime is very high. We are continuously endeavoring to refine our high-precision, micro-processing and liquid drop formation technologies.

A green circular icon with the letters 'DOD' in white, surrounded by a pattern of small green dots.

DOD

Drop on Demand (DOD) Ink Jet Printers

Piezo driven Drop-on-Demand technology for printing characters height from 2mm to 520mm (with 4 heads) are ideal for porous material such as secondary carton coding application, KGK Jet utilises Piezo Drop on Demand technology (DOD) for consistent, high quality prints upto 600 DPI ideal for Large character printing.

A red circular icon with the letters 'TIJ' in white, surrounded by a pattern of small red dots.

TIJ

Thermal Ink Jet (TIJ) Printers

Thermal inkjet technology uses heat instead of piezo crystal. Our solution provides GS1 & data matrix code in 4 line print in 600 DPI resolution with one touch cartridge replacement and multiple colours ink options to select.



Anti-Counterfeit Solutions

CIJ

KGK Jet fluid base, non-contact Continuous ink jet printer which enables you to print directly on the tablets or capsules with our edible ink. Also available Stealth ink /UV-readable inks to counter against fake drugs.

Advantages

Loose tablets are frequently sold without primary & secondary packaging in developing countries, KGK edible ink solution enable you to establish trust with partners and customers. Our solution provides Installation Qualification & Operational Qualification (IQ/OQ) validation support.



Aluminium Foil For Table Strip

CIJ

KGK Jet CIJ printers with quick dry inks specially developed for substrate like aluminium foil delivers high speed, rub proof & clear printing

Advantage

Most economical, safe and requires minimizing maintenance. Our sophisticated CIJ printers prevents scrapped product due to unreadable codes.



Glass Container

CIJ

Our CIJ printers has most effective marking technology for glass. Highly accurate drop placement required to print 2D code on small surfaces like injections and eye droppers.

Advantage

High speed and wide range of application-specific inks make it a common choice for pharmaceutical industry.



HDPE and Laminated Mono Carton

CIJ

KGK Jet CIJ printers enables printing on both HDPE and Laminated cardboard packaging with various choice of colours depending on background.

Advantage

Ergonomic design and minimal footprint allow easy integration into any production environment seamlessly.



Green Trivia

KGK Jet India, plant in Chennai has comprehensive water conservation system, which recycle every single raindrop. With storage of 450,000L in underground storage build to harness rainwater. In addition, sewage treatment plant recycle all the water and store it in separate tanks. This water is later used for gardening around plant spread across five acres.

Secondary

Packaging



Laminated Carton Box

TIJ KGK Jet Thermal Ink Jet (TIJ) printers delivers high resolution, economical and highly accurate prints on packaging for effective supply chain management and traceability.

Advantages

In addition to batch code & expiry dates, it can print GS1 & QR codes, data matrices, and bar codes with 600 DPI resolution. Most compatible for laminated & porous substrate with choice of colours like blue, black, red & green.



Carton Printing For Effective Recall Management

DOD

KGK Jet Drop On Demand (DOD) technology prints clearly readable information on secondary packaging enables traceability and recall management. Our printers can print 1D & 2D Bar codes and QR Codes.

Advantages

Advanced inkjet printer capable of printing from 2mm to 25.4mm. The head reservoir and the main body are separated thereby giving flexibility in operations. In-built weighing machine compatibility. Available with in-build & separate head configuration.

Tertiary

Packaging



Dynamic Information on Transport Packaging

DOD

KGK Jet Drop on Demand (DOD) printers are ideal for tertiary or transport packaging enables prints directly on the carton and eliminates cost of labelling. DOD printers enable you to print customised logos, Barcode, QR code.

Advantages

Capable of printing character heights from 2mm, 32mm, 46mm, 64mm, 70mm, 108mm & 130mm depending on type of head, possible to print up to 520mm using 4 head stitched together.

This printer will support 4 different type heads at a time. Extremely high clarity with quality even at the high speed. Capable of printing 4 colours (CYMK).

Product portfolio

CIJ Continuous Ink Jet Printers (CIJ)



KGK JET CCS3100

Advantages

- Detachable touch screen for fast and easy operation
- Patented Nozzle Capping Technology reduce ink and solvent consumption.
- Unique Nozzle calibre - 40µm, 50µm, 60µm ensures best print quality
- Positive Air shield in print head for dust protection
- Best in class High-filtration ink filter for uninterrupted operations
- Unique timed Auto Start & Stop Feature saves production time
- Compact and maintenance free head design
- IP65 protection for harsh environmental condition



KGK JET CCSR



KGK JET CCS2000



KGK JET CCS3000L



KGK JET CCS3000

DOD Drop on Demand Printers (DOD)



KGK JET HQ8500

Indigenously developed high grade DOD inkjet printer capable of printing character heights from 2mm, 32mm, 46mm, 64mm, 70mm, 108mm & 130mm depending on type of head, possible to print up to 520mm using 4 head stitched together.

The only printer in the world to support 4 different type heads at a time. Extremely high clarity with quality even at the high speed. Capable of printing 4 colours (CYMK).



2558ch Head



510ch Head



394ch Head



HQ-256 Head



1200ch Head

Standard feature in all KGK Printers

- RS232 and LAN connectivity.
- Easy interface with weigher machine for accurate weight printing.



KGK JET HQC

For character height from 2mm to 25.4mm

- Lightweight
- Compact
- Easy to use

TIJ Thermal Inkjet Printers (TIJ)



KGK JET HQ1000



- One touch replacement of cartridge, available in Blue, Black, Red & Green colour.
- Expandable I/O connection for host machine interface
- Maintenance Free, High Resolution, Most Economical

Ch Print Examiners

Simple Operation

Compact Design



KGK JET CHECKER PK410

- High speed image recognition with huge storage space.
- Detect presence, Absence, Possibility, Dot missing & Quality.
- Special camera excellent filter for best image capturing.
- 10.4 inch large screen for easy operation.
- Full-scale print inspection with simple operation.
- Automatic synchronization with printers, enable fewer operation steps and reduces human errors.



KGK JET CHECKER PK100

Ink Inks & Consumables



KGK Jet develops speciality inks, there are various types of substrate across industries, which needs printing on surfaces including everything from cardboard to metal, plastic, ceramic and foodstuffs, each requiring different quality performance.



Edible Ink



Stealth Ink



UV curable Ink



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