

Inkjet Printhead KJ4C-0360



Developed for Ceramic Tile Industry

KJ4C-0360 is a new product of KJ4 inkjet printhead series, which has opened variety of high speed, high resolution inkjet printing markets such as colour transaction, publishing, label, textile and building material etc.

The new printhead takes after proven concept of previous models - high throughput, fine image quality with greyscale printing, robust metal nozzle plate and Kyocera original advanced actuator technology. In addition, it employs highly efficient unique recirculation channel design to secure reliability for loading heavy materials. Everything is refined, revised and refocused for KJ4C-0360 to be a key device even in harsh industrial production environment.

KJ4C-0360 - a key device beyond the standard



Inlet / outlet damper

Wide Drop Volume Range - only one print head for decoration and effects
Variable drop volume around 15, 40, 65 and 84 pl are available for decoration and it can be increased up to 160 pl for high discharge effect inks. Proprietary technology enables to print in good quality for grey scale images without defects like dot, banding and print direction line. It covers both small drops for fine expression as well as large drop for strong colour intensity or even big ceramic effects.

High Productivity

The maximum drop ejection frequency is 20 kHz correspondent to 85 m/min linear printing speed at 360 dpi. And even with the maximum 84 pl drops, jetting frequency can be 12 kHz, by which printing speed over 50 m/min can be realized with 22 gr/sqm *1 lay down just by one printhead.



Stiff connector & cable

Stable Performance - reduced cleaning cycle and maintenance

Kyocera has been employing robust metal nozzle plate in its inkjet printhead models. It is mechanically strong and free of electric charge that can suffer stable jetting operation. KJ4C-0360 takes after the same features proven in the market. In addition, newly invented recirculation channel design realized outstanding stability for loading heavy pigment.



Robust metal nozzle plate

Physical Items	KJ4C-0360
Dimensions (W x D x H)	200 x 39 x 54 mm
Effective nozzles	1584, 16 Rows
Print width	111.69 mm
Std. Resolution	360 x 360 dpi
Typ. Drive Frequency	12 kHz/ 6kHz
Typ. Drop Volume Range	15 to 84 pl at 12kHz 15 to 160 pl at 6 kHz
Typ. Ink Viscosity Range	12 - 18 mPa*s

*1: Provided ink density is 1.3 g/cm³