

SIGNRACER

HydroSpeed HydroSpeed+

**LOW CONSUMPTION
BRIGHTER WATERBASED COLORS**

New pigment water base

New water based pigment inks developed for kyocera heads, with high colour gamut and high water and scratch resistance. They have an outdoor life of 3 to 6 months without losing brightness.



130m²/h WATER BASED INKS

- PREMIUM TOP-END PRINT HEADS
- RELIABLE ANTI-CRASH SYSTEM
- INK PERFECT MATCH THE DEVICE, LESS CONSUMPTION, VIBRANT COLORS DUE TO HIGH PIGMENTATION
- STABLE INDUSTRIAL PERFORMANCE FOR 24/7 OPERATIONS
- COST EFFECTIVE PROFITABLE BUSINESS



Industrial Kyocera print heads

The KJ4B series is designed for high speed printing of water based inks.



Winding and unwinding system

Ability to load 1000 mt jumbo rolls paper.



Sophisticated carriage system

Printhead carriage using anti-crash system head wiping, self-cleaning.



New SIGNRACER WBP ink

New water based pigment ink with bright and lasting colours for outdoor stability up to 6 month.

320m²/h WATER BASED INKS

- NEW TOP MODEL WITH LINEAR MOTOR FOR HIGHEST PRECISION AND SPEED
- OUTSTANDING PRINTING QUALITY AND STABILITY
- SOFTWARE WITH HIGH-EFFICIENCY DATA PROCESSING TECHNOLOGY
- COST EFFECTIVE PRODUCTS BRING YOU MORE BUSINESS AND PROFIT
- ROBUST MECHANICAL DESIGN WITH 24/7 INDUSTRIAL PERFORMANCE
- DEGASSING SYSTEM FOR HIGH SPEED PRINTING WITHOUT INK STARVATION



Tension-adjustable continuous winding/unwinding control technology

Equipped with full servo motors for feeding and taking-up, the stepping accuracy of the machine is greatly enhanced. The laser sensor at the winding section measures the roll diameter in real time for constant and smooth winding.

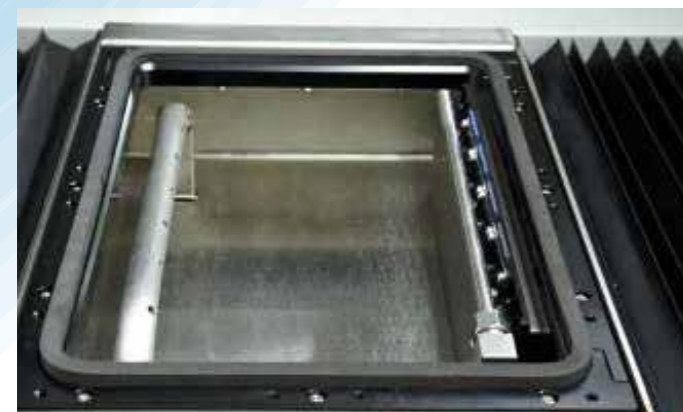


Magnetic linear motor and steel rail beam

The rail beam is made of high-strength steel with top straightness. Combined with magnetic levitation motor, it improves the stability and smoothness of the printhead carriage's back and forth movement.

Industrial ink supply system: Automated negative pressure monitoring & adjusting system+ efficient ink degassing

Peristaltic pumps keep the kinetic energy of ink supply at a constant level; negative pressure is detected and adjusted in real time automatically; the efficient degassing modules clear the bubbles in Ink tubes to avoid Ink starvation. These three technologies provide higher printing stability for industrial continuous production.



Intelligent constant-moisturizing capping system and creative auto-wiping printhead self-cleaning system

Built-in humidifier enables constant moisturizing, so constant moisturizing of nozzles guarantees the stability of ink supply system and prevents blocked nozzles caused by dry ink. Automated head wiping removes the residual ink on the nozzle surface, to guarantee continuous printing.

Specification	Hidrospeed	Hidrospeed+
Print heads	Kyocera industrial print heads	Kyocera industrial print heads
Print head no.	2 print head	4 - 6 print head
Printing mode	600 x 600	600 x 600 - 600 x 1200
Production speed	130 sqr/hr	320 sqr/hr - 165 sqr/hr
Max. printing with	1800 mm	1900 mm
Linear motor	No	Yes
Vacuum width	145 mm	224 mm
Wiper cleaning	Manual	Automatically by water spraying
Bottom drier integration with printer	No	Yes
Quantity of heater on bottom drier	30 pcs	51 pcs
Dimensions	4280mm x 1560 x 1570	4200mm x 1920 x 2150
Ink colors	Brighter water based colors C, M, Y, K	Brighter water based colors C, M, Y, K
Max. roll diameter	400mm	500mm
Max. roll weight	200 Kg	200 Kg
Dryer type	IR+Hot air	Hot air
Power supply	AC 380 V	AC 380 V
Power consumption	Printer: 3 KW - Dryer: 6 KW	Printer: 4 KW - Dryer: 12 KW
Compressed air	0,6 MPA free oil - water	0,6 MPA free oil - water
Separate media entry unit	No optional	Optional and connected with printer, support jumbo roll max diameter 1200mm