

XENONS UV Industrial Hybrid HD 3200, HD 2200

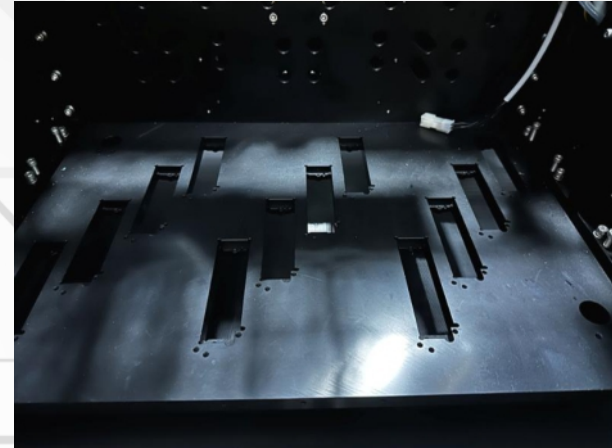


Standard Printer Configuration

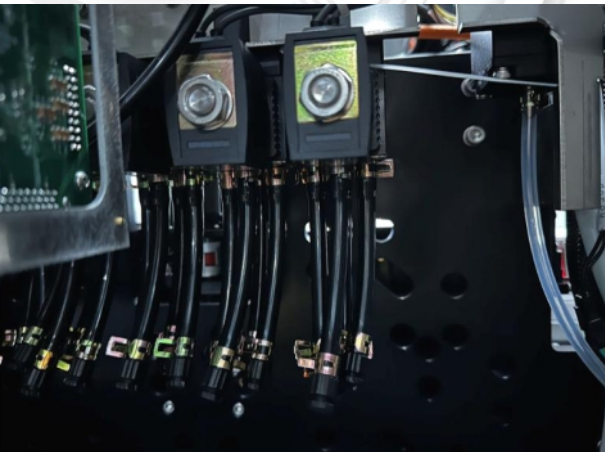
- Wall Plate and Support Plate



- Head Plate for 4 Staggered Lines



- Electrical Valve

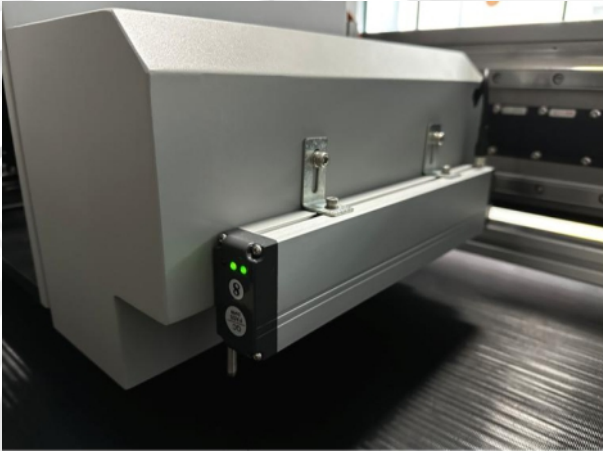


- Panasonic Pressure Negative Watch

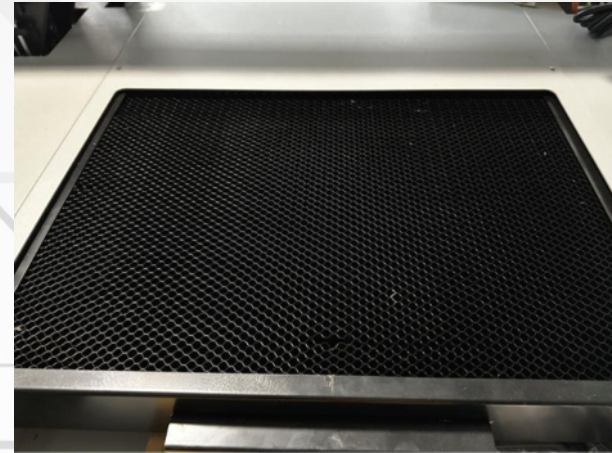


Standard Printer Configuration

- Antistatic Bars (2 pieces)



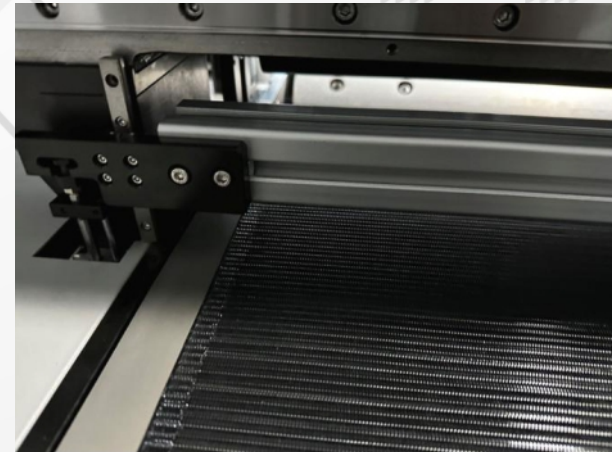
- Waste Ink Maintenance Plate



- Vacuum 2.2kW (other Brand 1.5kW)

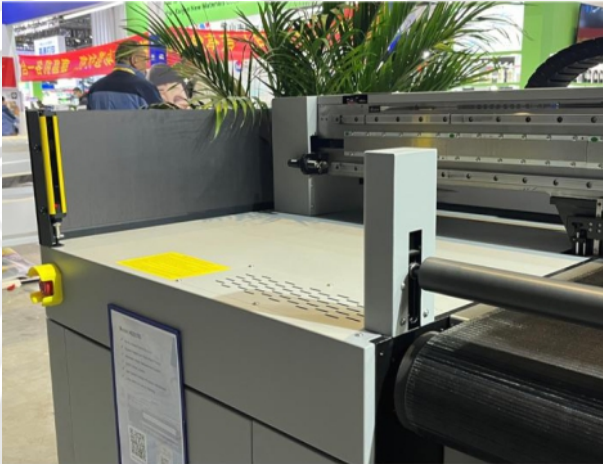


- Automatically 3 Bars by Air

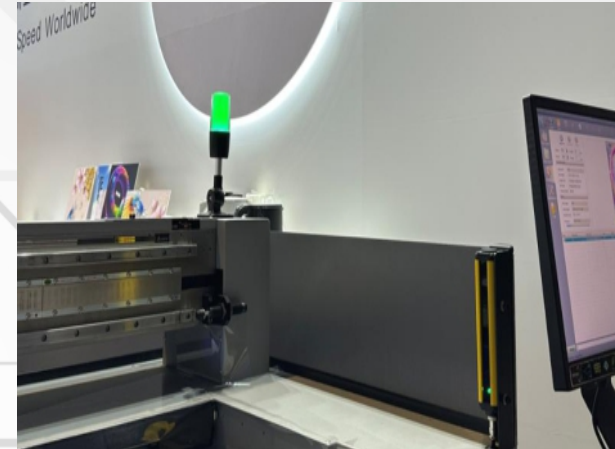


Optional Printer Configuration

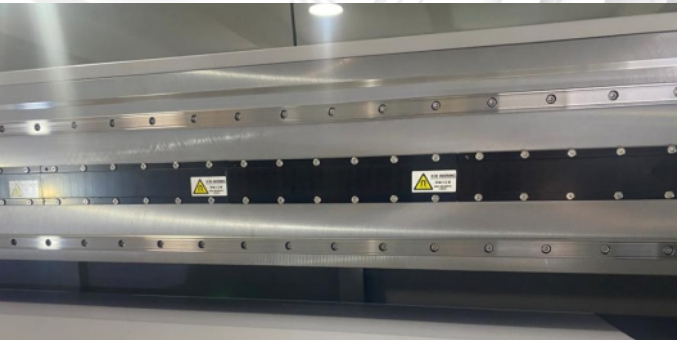
- Protective Light Curtain



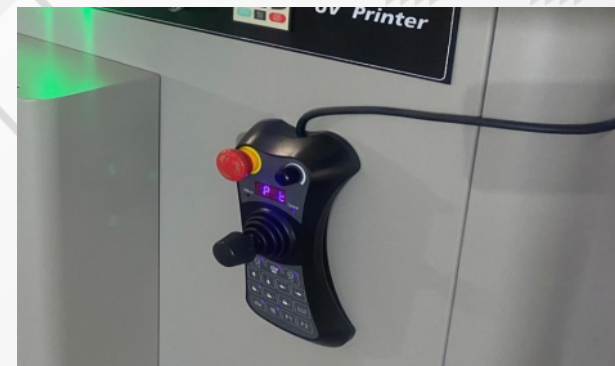
- Alarming Light



- Maglev, Linear Motor, Metal Encoder



- Joystick - Controller



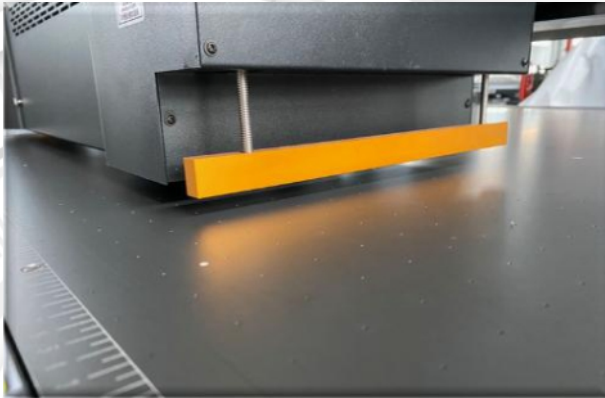
Optional Printer Configuration

- Extended tables for printing on boards —1 in front and another 1 in back of machine



Core Configuration and Function of Printer

● Carriage Anti-crash System



Both sides of carriage are equipped with anti-collision devices, which can effectively protect the nozzles from damage and protect the safety of operators. When the anti-collision is triggered, the customer can still continue the printing as to not waste materials.

● Double THK Linear Rails



Using Japanese THK2.0 double linear mute guide rails, high-speed operation with high stability and low noise, to ensure that the printer can achieve high-precision output under high-speed printing.

Core Configuration and Function of Printer

● Industrial Conveyor Belt



Mesh Belt Transfer: The printer is equipped with Teflon industrial mesh belt, high-strength adsorption-type pressure-free transmission method, which can adapt to a wider range of materials, and at the same time, it can realize free switching from printing on flat materials and roll materials.

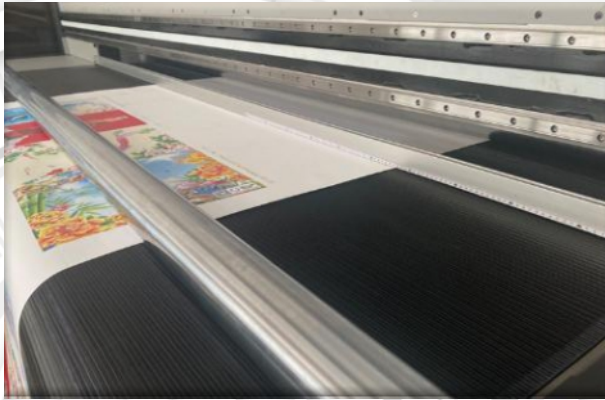
● Automatic Ink Lock Valve



Corrosion-resistant, high-air tightness one-piece cartridge electric valve, preventing dripping function. With automatic control, no need to manually operate the switch valve. Improve automation degree while solving the ink leakage problem of manual valves.

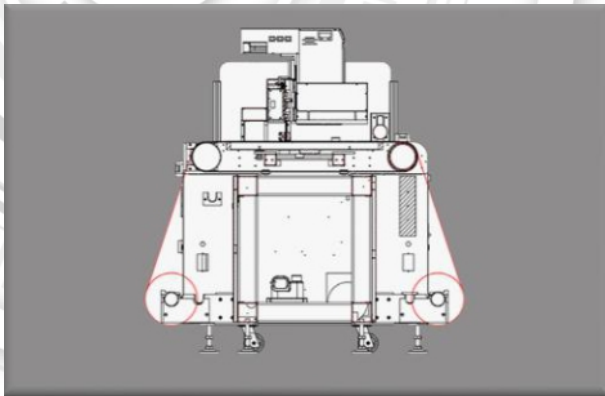
Core Configuration and Function of Printer

● Positioning Device



This device solves the problem of positioning on the mesh belt machine, which is more convenient and quicker to allow customers to print sheets on this hybrid equipment..

● Feeding and Take-up System



Torque mode feeding, heavy-duty air-expansion shaft type front and rear feeding and take-up system, and at the same time with front and rear automatic pressure rods, to ensure more accurate printing of various sizes material.

Core Configuration and Function of Printer

● Vacuum System



2.2KW high-power blower adsorption method, evenly divided 4-section partition controllable, the wind force can be adjusted arbitrarily, and adsorption of various thicknesses is working well.

● Electronic Control System



Weak current controls strong current, separate layout of strong current and weak point, separate layout of ink circuit and circuit, the whole machine adopts high-flexible cable, the circuit and ink circuit of the whole machine are designed in line with the CE standard of European certification, and a protective cover is added to each group of pipelines , prolong the service life and reduce the failure rate.

Core Configuration and Function of Printer

● Ink Cartridge Constant Temperature System



The intelligent chip controls the heating of the independent ink cartridges. The temperature of the ink cartridges is more precisely controlled to ensure the smoothness of the printing ink especially to the different viscosity of each ink.

● Automatic Height Measuring System



Customers can change the material at will, and the thickness of the material can be measured automatically and quickly. Then print directly. The standard configuration can print up to 3.5cm thickness.

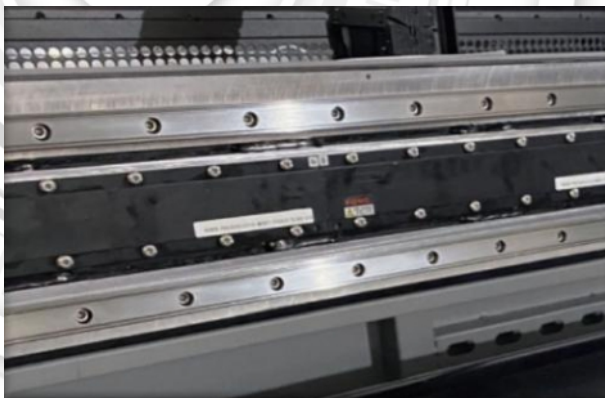
Core Configuration and Function of Printer

● Intelligent Ink Supply System



The design of large ink tank reduces frequent refilling of ink by customers; it is equipped with a voice ink shortage alarm function to remind customers to add ink at any time; the automatic white ink circulation function prevents the precipitation of white ink..

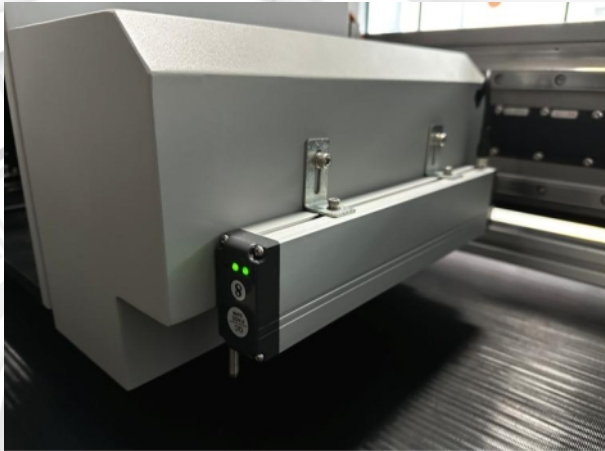
● Magnetic Levitation - Maglev



With optional linear motor and metal encoder, the printing speed can reach 1.8m/s, and the accuracy can be as high as 1 micron. Guarantee the accuracy and color of the picture.

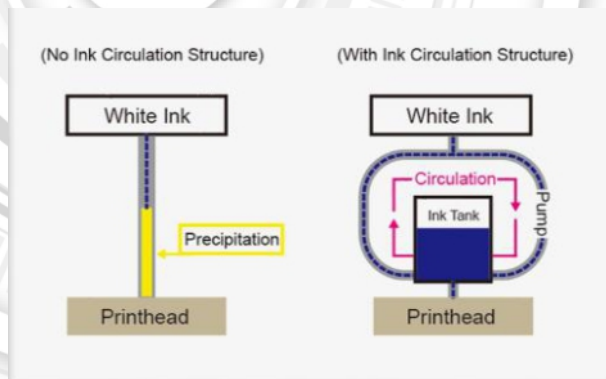
Core Configuration and Function of Printer

● Static Elimination Device



It can eliminate well the static electricity generated on the surface of the material and keep perfect printing effect.

● White Ink Circulation System

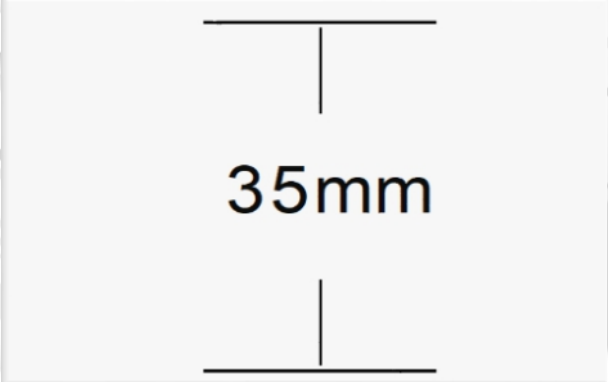


Realize the intermittent stirring of the main ink tank and pipeline circulation of the white ink, to ensure that the white ink keeps flowing at all times and avoid the failure of the ink circuit.

As long as the device is connected with power, it will also implement this function when printer not turn on.

Core Configuration and Function of Printer

- Directly Printing on Media

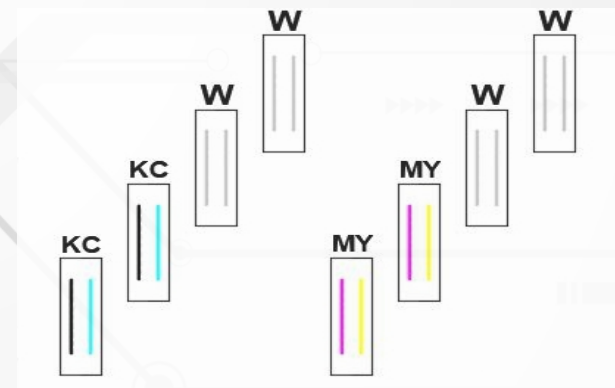
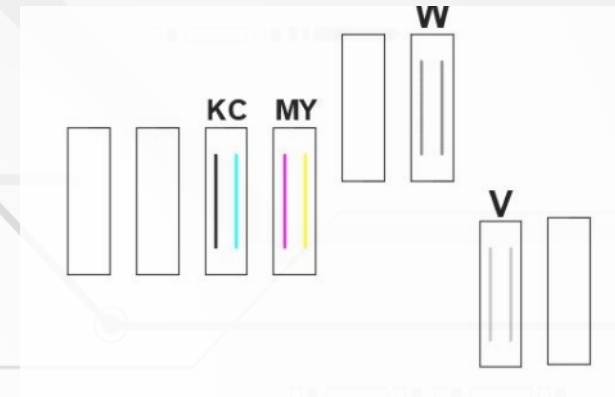
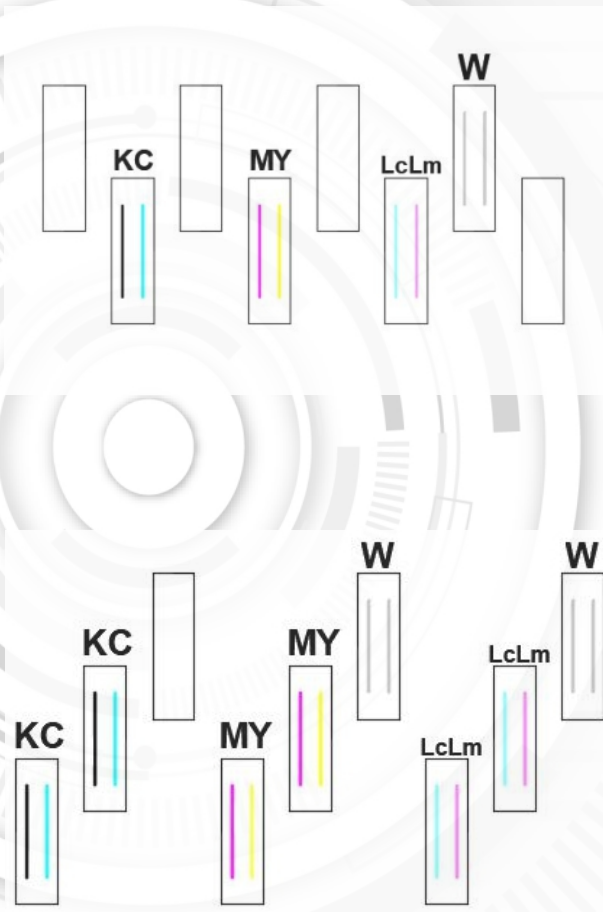


35mm

It can be printed directly on normal or slightly thick paper media up to 35mm in height. (Please measure the height before printing)

Printhead Layout

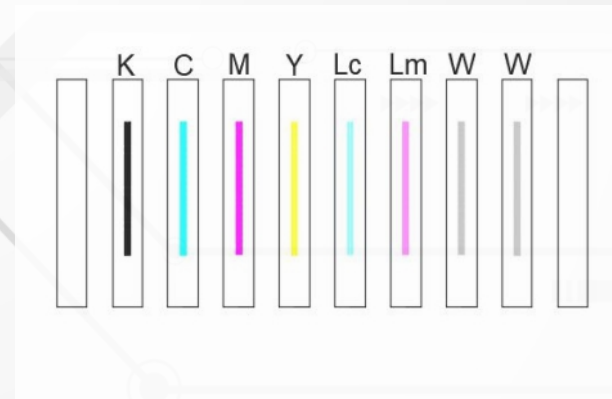
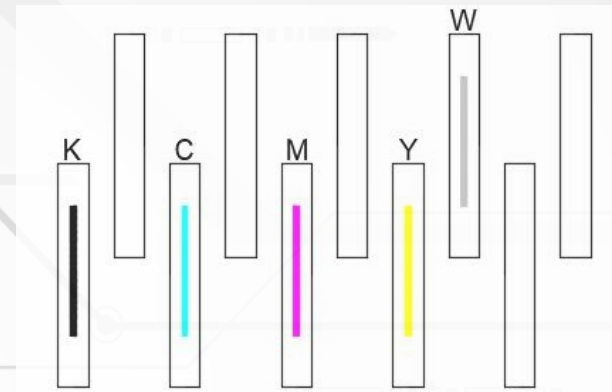
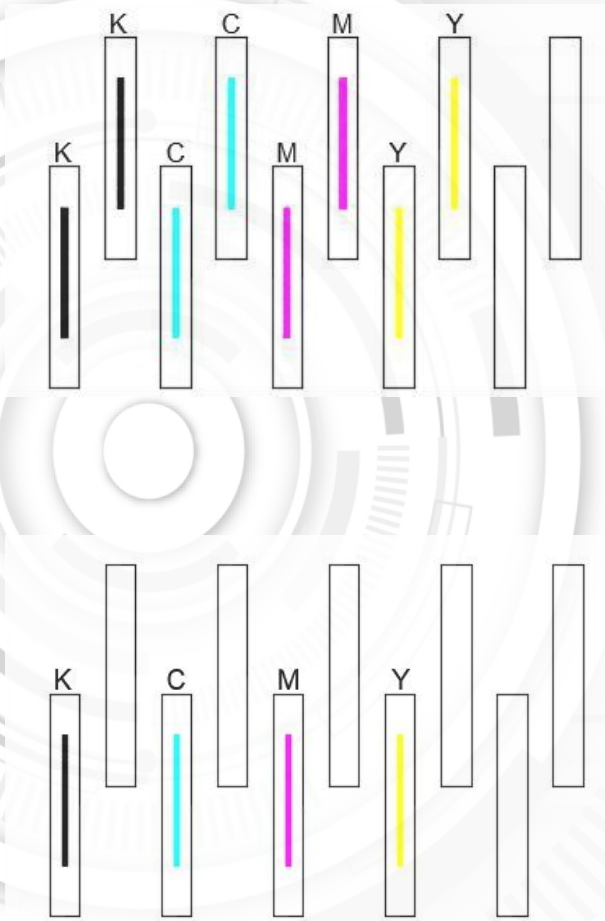
- Ricoh GEN5/GEN6



Note: More layout options, please contact sales representative.

Printhead Layout

● Konica 1024i



Note: More layout options, please contact sales representative.

Technical Information

Model		HD3200/HD2200
Structure		Frame + Wall Panel
Adsorption Platform		One-piece hard anodized platform, factory debugging platform accuracy ± 10 wire.
Adsorption Blower		Equipped with 2.2KW blowers
Printing Width		3.2m/2.1m roll to roll, sheet material
Extended Platform		Optional movable and foldable platform at the front and rear
Printheads		Ricoh Gen5, Ricoh Gen6, Konica 1024i
Printheads Arrangement		Based on the needs of customers. Ricoh-supports 4 staggers, Konica-supports 3 staggers
Printhead Quantity		2-16units
Print Thickness		3.50cm
Ink System Configuration		Standard YMCK+W, Optional LC, LM, Varnish
Cleaning		Independent separation color pressure ink, independent ink tank heating device
Anti-static Device		Standard double static bars
The suction start method		Manually adjusted, 4 zones flatform
X Axis	Beam	Standard-steel beam, optional-linear motor and metal encoder
	Linear Rail	2 THK silent rails from Japan
	Drive Motor	Delta full-featured servo and motor
Y Axis	Rubber Rolle	180 rubber roller + Mesh Belt
	Drive Motor	1000W Delta full-featured servo and motor
	Reducer	High Precision Reducer
Power		MW from Taiwan

Technical Information

Electrical Device	Air switch	Delixi
	Limit Switch	Omron from Japan
	Flexible Cable	Dorou
UV Lamp		LED Water-cooling UV Lamp
Negative Pressure Control		Double negative pressure control integrated board, double negative pressure gauge (Delta)
RIP System		Standard-PhotoPrint, Optional-Onyx
Sub Ink Tank		2.5L large ink tank, voice alarm for lack of ink, white ink automatic circulation
Secondary Ink Tank		Overfill protection, With heating function, electric valve control, no need to manually operate the valve.
Height Measure Device		Auto height measurement probe
Signal Transmission	dual optical fiber signal transmission + SATA line high-speed signal line	
	Magnetic rings are added to all signal transmissions to prevent interference	
Media Take-up Device		Inflatable shaft + torque motor
Media Take-up Device		Inflatable shaft + torque motor
Lighting		Front light for image checking, another light for printhead maintenance
Emergency Function		use Anti-collision continuous printing function, power-off continuous printing function