DOCAN FR3210TM
UV HYBRID PRINTER
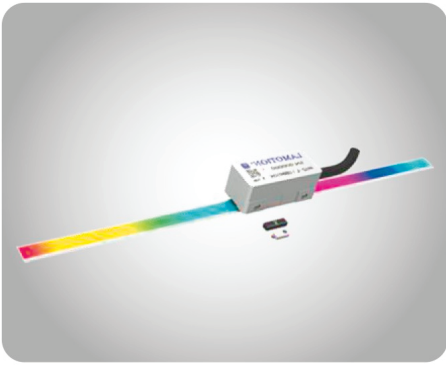
Why DOCAN FR3210TM?

When factory space is limited and a large variety of materials are needed to print, FR3210TM is your best versatile printer. FR3210TM is a 3.2M UV Hybrid printer with the capability of printing on both flexible and rigid materials. It also support 2 rolls printing. You can load 2 rolls of 1.6M material and print them at simultaneously. There is an optional white ink that open up a wider scope of printing for users. With the white ink, you can direct print onto non-white surface or transparent materials . Users can also create a special 3d emboss or textured effect on their print. Varnish ink can be added to enhance print with a spot varnish effect.

Vacuum convey Belt feeding Table

The FR3210TM Hybrid UV printer installed with 3.2M Belt-conveying feeding system with vacuum suction. This design makes it possible to load a 3.2M flexible material by a single person. It is possible to print various size of flexible media without tensioning system or pinch roller hold down. This design not only allows you to print normal vinyl and flexible banner, also has huge advantage when printing stretchable materials like PVC flex and fabric. The vacuum conveying feeding belt design not only allows you to print unlimited length of flexible materials, it also allows you to print up to 50mm thick of rigid materials such as PVC foam board, Kapaline board, polycarbonate, glass, acrylic, wood, MDF, metal sheet.
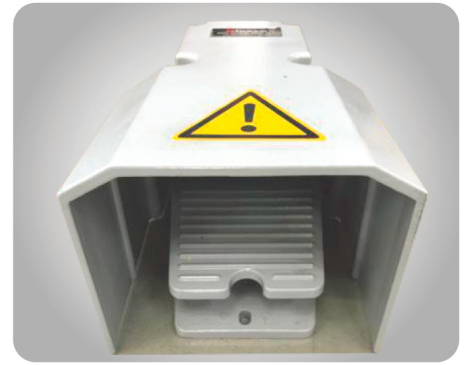
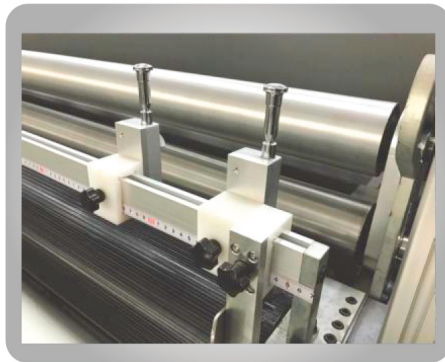# Reliability meets performance

Metal Encoder Strip

THK LM Guide

Foot Press for Rigid Media Origin

Conveying Feeding Belt

Media Aligment Guide

Linear motor

- Conveying Belt table supports both rigid and flexible materials printing
- Suitable for stretchable materials like fabric, vinyl banner
- Dual rolls of 1.6M material can be loaded and print simultaneously
- Support rigid materials thickness of up to 50mm with auto height detection
- Low noise, Ultra smooth THK Linear Motion Guide
- Adjustable vacuum force
- High precision Metal Encoder strip
- Linear motor provides high speed and high accuracy to the carriage
- Water cooled UV LED lamps enable printing on thermally sensitive materials
- Extension table front and rear for large piece of rigid material
- Anti crash device on both side of carriage to protect damage to printheads
- Anti-static device reduce static from printing materials
- Independent negative pressure controlled for white and color ink
- White ink circulation system to prevent white ink sedimentation
- Ink filtering system reduce head clog

Specifications:

Model	FR3210TM
Category	UV Hybrid (Roll to Roll/Flat-bed)
Printhead	RICOH GEN6, KONICA 1024A/I, KYOCERA
Print Technology	Drop-On-Demand Piezo Electric Inkjet
Maximum Print Width	3200mm
Media Thickness	50mm
Ink Type	UV Ink (Medium/Flexible)
Curing System	UV LED (Water Cool)
Carriage Drive	Linear Motor
Rip Software	FlexiPrint/Onyx RipCenter
Printhead Control	Temperature & Voltage Adjustable
Operating Environment	Room Temp: 20°C to 28°CHumidity: 40% to 60%
Power Requirements	50/60Hz, 220V(10%)> 30A Single Phase
Equipment Dimensions	5890 x 1500 x 1580mm 2685Kg
Warranty	One year limited warranty

FR3210TM					
Head Option	Konica 1024i (6PL)	Speed (sqm/h)		Kyocera (3.5PL)	Speed (sqm/h)	
Resolution	726*720DPI	4pass (3 row)	92	726*1200 DPI	4pass (2 row)	94
	726*1080DPI	6pass(3 row)	68	726*1800 DPI	6pass(2 row)	63
	726*1440DPI	8pass(3 row)	46	726*2400 DPI	8pass(2 row)	47
	Ricoh G5 (7PL)	Speed (sqm/h)		Ricoh G6 (5PL)	Speed (sqm/h)	
Resolution	//	//	//	635*600 DPI	4pass (4 row)	115
	635*900 DPI	6pass(4 row)	58	635*900 DPI	6pass(4 row)	83
	635*1200 DPI	8pass(4 row)	40	635*1200 DPI	8pass(4 row)	58