

TECHNOLOGY



# 29-INCH SHEET-FED UV INKJET PRESS

High quality image resolution at 1,200 x 1,200 dpi

Sharp text quality

Optimized ink volume to match paper and printing objectives

High-precision color-matching technology

Wide color gamut

Productivity speed of 3,000 sheets/hour

Automatic duplex printing with no drying time

No need for printing plates and major reduction in print make-ready time spent on color adjustments

Machine design that minimizes downtime

Maximum paper size of 23" x 29.5" — allowing for 6-up letter size printing

Compatibility with diverse paper types through the elimination of the need for pre-treatment

Compatible with paper thickness of 0.06 to 0.6 mm

Compatible with texture paper using the UV inkjet system

Variable printing compatibility unique to digital printing

Paper-conveying technology identical to that used in offset printing

Greater registration accuracy realized by use of UV ink

Stable printing quality

Image quality control by inline sensor

# **AccurioJet KM-1**

# 29-INCH SHEET-FED UV INKJET PRESS

Accuriojet KM-1 combines the speed and flexibility of offset presses with the benefits of variable data printing and zero make-ready. It provides the extraordinary advantages of larger 23" x 29.5" sheet size, a wider range of paper thickness, the ability to print on coated or uncoated stock, art papers, textured stock and more, all without any pre-coat or special papers. All rivaling the color output of traditional offset equipment.

#### **TECHNICAL SPECIFICATIONS**

TECHNICAE SI ECH ICATIONS	
Туре	29", B2+ sheet fed UV InkJet DOD
Resolution	1,200 x 1,200 dpi
Ink type	UV ink
Colors	4C/4C CMYK
Printhead	KM 1800i
Printing modes	3 modes — HQ, standard, ink saving
Max. printing speed sheets per hour	Simplex — 3,000 sph Duplex 1,500 sph
Max. substrate size	Up to 23.02" x 29.53" (585 x 750 mm)
Max. imaging area	Up to 22.64" x 28.94" (575 x 735 mm)
Substrate thickness	Simplex — 0.06 to 0.60 mm Duplex — 0.06 to 0.45 mm

Substrate weight	Simplex — 16 to 150 lb (50-400 gsm)
	Duplex — 16 to 267 lb (50-385 gsm)
Substrate curing	UV LED light
Substrate pre-treatment	None
Perfecting/duplexing	Automatic
Feeder pile height	Up to 35.43" (900 mm)
Delivery pile height	Up to 26.77" (680 mm)
VDP capable	Full 1:1 Print-On-Demand
Press dimensions	17.7' x 9.8' x 7.9' (5,396 x 2,947 x 2,325 mm)
Press weight (approx.)	19,842 lb (8,100 kg)

**Inkjet Printheads** AccurioJet KM-1 is furnished with a print bar mounted with an alignment of newly-developed high-definition high-frequency printheads. The single-pass system realizes high-speed output of 3,000 sheets/hour at an high image quality of 1,200 dpi. Printheads and parts can be replaced by the operator, contributing to improved productivity by cutting down

**LED UV Array** 

Ink is cured instantaneously by UV light using long-life ozone-free LEDs.

time for service engineers to arrive.

#### Inline Sensor

Inline sensor detects nozzle misfire or streaks and automatically corrects the image to ensure high and stable image quality.

### Paper Ejector-

Large-volume paper ejection is possible up to height of 680 mm. A sampling tray is also available.

please visit: CountOnKonicaMinolta.com

#### **UV** Ink

A new UV ink has been developed exclusively for use with AccurioJet KM-1. Printing on a wide range of base materials including offset paper is possible with no pre-coating. Light-cured UV ink avoids paper problems caused by heat drying, and provides high accuracy of front-to-back registration. In addition, our original technologies enable realization of a natural gloss finish.

#### **Main Cylinder**

Grip-to-grip technology ensures highly accurate paper transportation.

## Paper Feeder

The same feeding system as offset press ensures reliable paper feeding. The paper feed capacity is up to height of 900 mm.

### **Automatic Duplex Printing**

A maximum of 1,500 sheets/hour can be output in the duplex printing mode. Duplex printing capability with a compact machine design is a major merit that can be realized only by a UV inkjet system that requires no drying process.

# **PARTNERSHIP**

Konica Minolta can help give shape to your ideas and partner with you to achieve your corporate objectives. Contact us to realize opportunities in:

#### INFORMATION MANAGEMENT

Enterprise Content Management (ECM)

**Document Management** 

**Automated Workflow Solutions** 

**Business Process Automation** 

Security and Compliance

Mobility

eDiscovery Services

#### **IT SERVICES**

**Application Services Cloud** 

Services

IT Security

Managed IT Services IT

Consulting & Projects

Apple Managed Services

Managed Voice Services

Technology Implementation and Deployment

## **TECHNOLOGY**

Office Multifunction Business Solutions

Commercial and Production Printers

Industrial Printers

Wide Format Printers

3D Printers

Scanners

Security Surveillance Systems

Laptops, Desktops and Computer Hardware

Servers and Networking Equipment

Managed Print Services (MPS)

Managed Enterprise Services



KONICA MINOLTA

KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC. 100 Williams Drive, Ramsey, New Jersey 07446

CountOnKonicaMinolta.com











For complete information on Konica Minolta products and solutions,