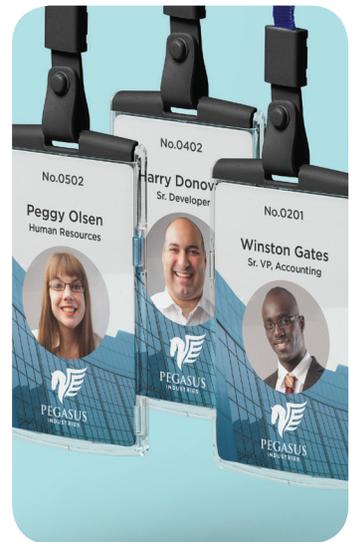




KONICA MINOLTA

TECHNOLOGY

AccurioJet KM-1 29-INCH SHEET-FED UV INKJET PRESS





THE FUTURE OF COLOR INKJET PRODUCTION HAS ARRIVED.

At Konica Minolta, innovation has always been a critical part of our business. And true to our legacy comes the revolutionary AccurioJet KM-1. This inkjet press meets the latest production demands, better serving the needs of your customers and offering an attractive alternative for short-run printing. It's stocked with innovations from end to end: our patented UV inkjet technology; traditional cut sheet stack feeding and delivery and superior media handling up to B2+ size. The AccurioJet KM-1 can easily handle high-quality jobs on a wide range of substrates — meaning you don't have to use special digital stocks or any expensive coatings. So get ready to lower operating costs ... maximize productivity ... and tap into new markets with the AccurioJet KM-1.

Expand your print offerings

- Produce a wide variety of new jobs such as heavy textured stock for folding carton packaging
- Print profitable static and basic to complex variable data jobs
- Take advantage of larger sheet sizes for 3-panel and 4-panel brochures, pocket folders, posters, point-of-purchase graphics, narrow format signage, dust jackets, wrap-around book covers and more

Increase your productivity

- Produces up to 3,000 sheets per hour in simplex or 1,500 sheets per hour in duplex modes
- Allows you to easily manage print jobs via our hybrid production workflow. There is no need for makeready because there are no plates. Jobs can be added to the print queue instantly via the web, hot folder or other existing workflows

Extensive wide range of substrates

- Enhance your media flexibility with capability to process B2+ sizes up to 23.02" x 29.53" (585 x 750 mm)
- Produce an extensive selection of commercial print and packaging applications with a sheet thickness of up to 0.6 mm in simplex and 0.45 mm in duplex printing modes
- Print on a wide range of coated and uncoated substrates, and even textured papers; eliminating the need for special qualities or special treatment before or after printing
- Send short-run jobs with short-turnaround times to the next production step immediately after printing — no waiting or hassles thanks to our instant drying UV ink

HIGH QUALITY AND FAST TURNAROUND WITH PRECISE, BRILLIANT COLOR. **PRINT AFTER PRINT, FROM THE FIRST IMPRESSION TO THE LAST.**

Despite its compact footprint, the KM-1 is a full-color press able to print 6-up letter size with speeds up to 18,000 letter size pages per hour. The KM-1 masters static commercial print jobs, versioned to complex variable data jobs, and light packaging applications for folding cartons with a maximum substrate weight up to 400 gsms.

DESIGNED TO PERFORM AT HIGH QUANTITIES, WITH MORE PRODUCTIVE UPTIME.

Capable of printing 3,000 sheets per hour at the maximum substrate size of 23.02" x 29.53", the AccurioJet KM-1 is a high productivity workhorse that delivers dazzling results. It's built to impress — offering you a job-peak performance of 1,500 sheets per hour in Auto Perfecting mode.

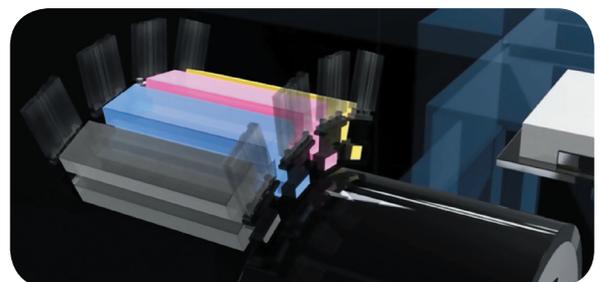
The result? You'll experience an upsurge in your productivity and job turnaround times. And because we use a new UV ink formulation and curing, no drying time is needed.

What's more, our clean sheet press design minimizes downtime. Our high performance inkjet heads are just one of the many replaceable components that operators can replace in the field. That reduces downtime — and guarantees you more productive uptime.



AT A GLANCE AccurioJet KM-1

- High-quality image resolution at 1,200 x 1,200 dpi
- High-precision color-matching technology
- Productivity speed of 3,000 sheets/hour
- Automatic duplex printing with no drying time
- Maximum paper size of 23.02" x 29.53", allowing for 6-up letter size printing
- Print on paper thickness of 0.06 to 0.6 mm, coated or uncoated stock, art papers, textured stock and more, without any pre-coat or treatment
- Variable printing compatibility unique to digital printing



REDEFINING COLOR AND INK TECHNOLOGY: A LOOK INSIDE THE KM-1

The KM-1 is uniquely designed to capture vibrant colors on a multitude of substrates. It brings together Konica Minolta's UV ink, high-speed inkjet head technology, state-of-the-art image processing, short and stable paper path control and automatic perfecting with superb registration.



1. OUTPUT TRAY

Print samples are easily accessible via output tray.

2. SHEET DELIVERY EXIT

Large-volume paper ejection is possible up to 680 mm.

3. IN-LINE SENSORS FOR QUALITY ASSURANCE

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

4. LED UV ARRAY FOR INSTANT CURING OF INK

UV light instantaneously cures ink.
Long life ozone-free LED is equipped.

5. UV INK

Newly developed exclusively for the KM-1, the UV ink enables printing on a wide range of base materials, including offset stock without any need for pre-coating. Light-cured UV ink avoids paper problems caused by heat drying, constantly producing a high accuracy front-to-back registration. Additionally, our original technologies enable realization of a natural offset appearance.

6. PAPER FEEDER

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

7. AUTOMATIC DUPLEX PRINTING

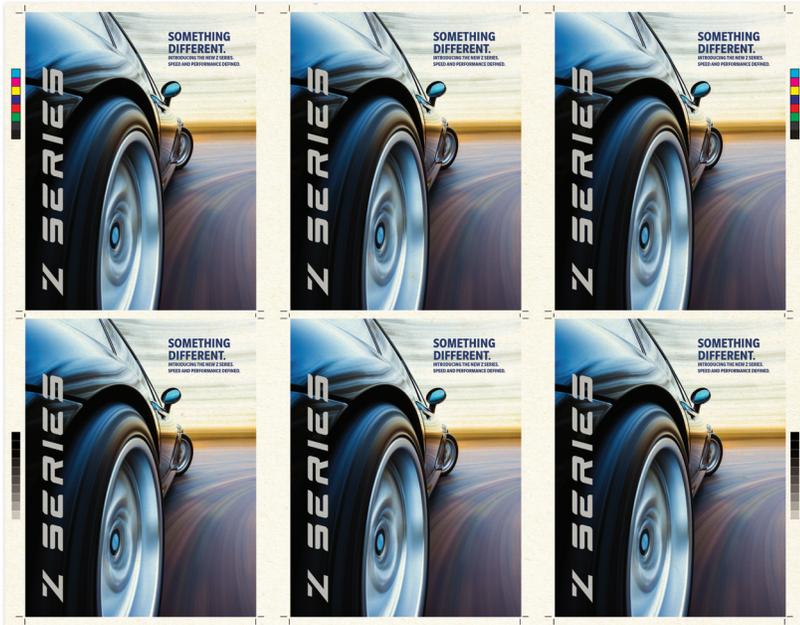
A maximum of 1,500 sheets/hour can be output in duplex printing mode. Duplex printing capability in a compact machine design can only be made possible by a UV inkjet system that requires no drying.

8. MAIN CYLINDER

Gripper technology ensures highly accurate paper transportation.

NEW UV INK SPECIALLY DEVELOPED FOR THE KM-1.

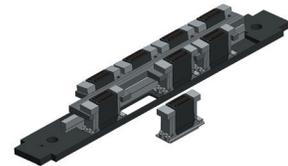
Konica Minolta has focused on developing new high resolution inkjet printheads and a new patented UV ink technology that produce stunning results, rivaling offset press quality. These game-changing innovations set the KM-1 apart — and help you stay ahead of your own competition. You will be able to achieve true resolution of 1,200 x 1,200 dpi with 8 levels of gray; droplet size from 3.5 to 7 picoliter; font edge-processing technology that produces sharp, clear text quality from the smallest to largest point sizes; natural offset appearance and so much more.



A larger sheet means increased efficiency — 23.02" x 29.52" enables you to print 6-up letter size.



Konica Minolta's state-of-the-art Inkjet Print Head Module is capable of producing high image quality of 1,200 dpi.



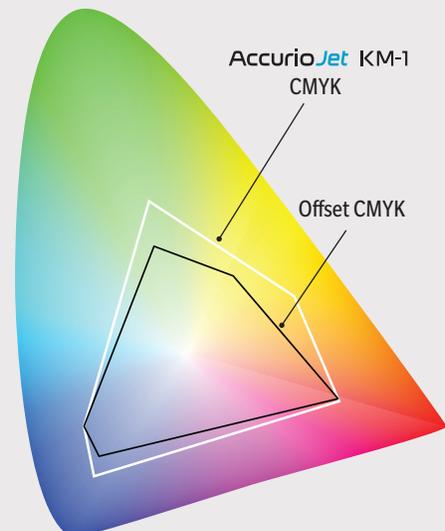
New, patented high-definition inkhead array redefines the standard for brilliant color in a single pass.



On/off font edge-processing technology enhances text quality.

SEE THE DIFFERENCE: A WIDER AND DEEPER COLOR GAMUT DELIVERS RICHER, BOLDER COLOR.

With a wider color gamut, the KM-1 raises the bar on color quality — delivering perfect digital color matching offset quality. You'll have more options than ever before to hit hard to match PMS colors with a 4-color process. In fact, you won't need a fifth color for most jobs. Just use the KM-1 HQ Mode and you'll be able to match PMS colors with CMYK process colors. The result is brilliant — and easy to achieve without color shifting. You'll create consistent color reproduction sheet to sheet, job run to job run, satisfying customers time and time again.



FLEXIBILITY AND VERSATILITY TO PRINT ON A WIDE RANGE OF SUBSTRATES.

Furnished with the ability to handle a wide variety of substrates, the AccurioJet KM-1 expands your range of media. The range substrate weight is from 50 gsm up to 400 gsm, meaning flexibility in possible applications. You'll be able to print on common offset papers, Tyvek, Teslin, texture and linen, self-adhesive label stock and thick stock for folding cartons. All with the added bonus of not needing pre-treatment — and no external drying time.



Substrate types expand opportunities

- Coated paper
- Uncoated paper
- Linen
- Canvas
- Textured stock
- PVC
- Teslin
- Tyvek
- PET
- Stone paper
- Synthetic
- Non-woven fabric
- PP synthetic
- Foiled paper
- Corrugated (lightweight)
- Self-adhesive label





SUBSTRATE TRANSPORT TECHNOLOGY

AccurioJet KM-1 incorporates a suction fed feeder system.

REGISTRATION ACCURACY

The use of UV ink eliminates issues with waviness or curling, commonly associated with thermal fixing and drying.

STABLE PRINTING QUALITY

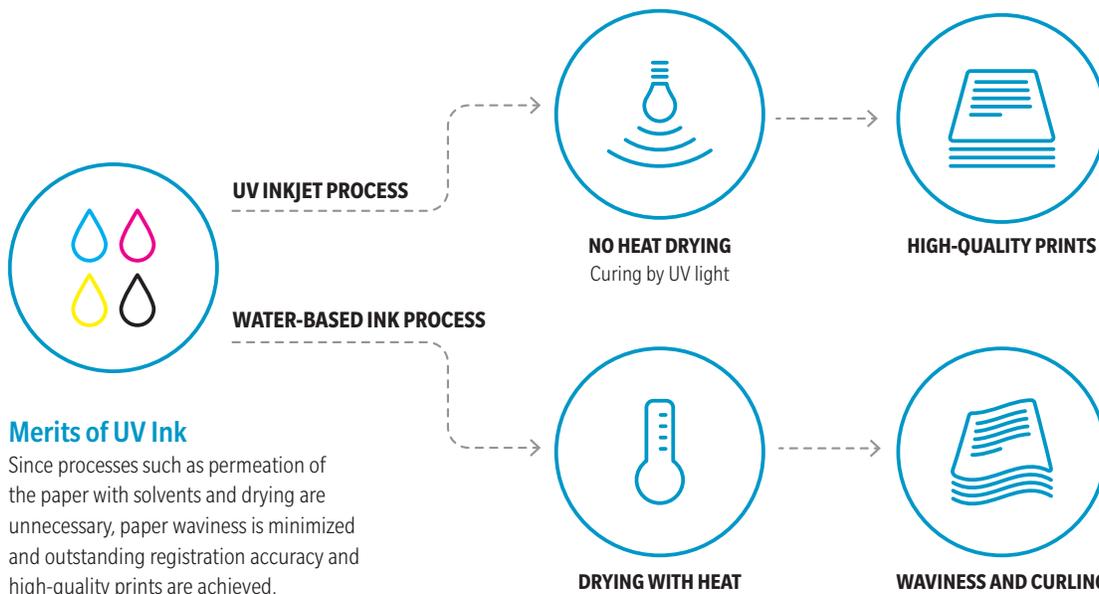
Print stability is achieved by using our UV ink, which does not readily dry when exposed to air. This prevents ejection misalignment caused by ink drying on the nozzle surfaces.

IMAGE QUALITY CONTROL

The AccurioJet KM-1 is equipped with internal inline sensors that automatically detect and correct image flaws.

RELIABILITY AND STABILITY PRINTING OPERATIONS DEMAND TODAY.

Today's print operations require stable, high-quality printed impressions. The KM-1 is built to deliver. It uses a paper transport technology identical to that of an offset press. This ensures reliable and stable paper handling throughout the paper path. By using UV ink, the KM-1 secures highly accurate registration and minimal dot gain, again delivering an offset-like printed impression.



CAPABLE OF A WIDE RANGE OF PRINT APPLICATIONS FOR BIG POSSIBILITIES. AND BIGGER GROWTH.

With the B2+ sheet size, the AccurioJet KM-1 gives you the capability to digitally produce a broad range of print applications with a diverse number of substrates. The print job possibilities are endless — opening the door to new markets, growth and profitability.



POSTERS AND CALENDARS

Color quality, versatility of substrates and large sheet size makes the KM-1 ideal for large posters and calendars.



VARIABLE PRINT DATA FOR POSTCARDS/DIRECT MAIL

The KM-1 is built with the Konica Minolta controller that enables variable printing. You can create personalized printing pieces, track responses and more.



BOOKS AND BOOK COVERS

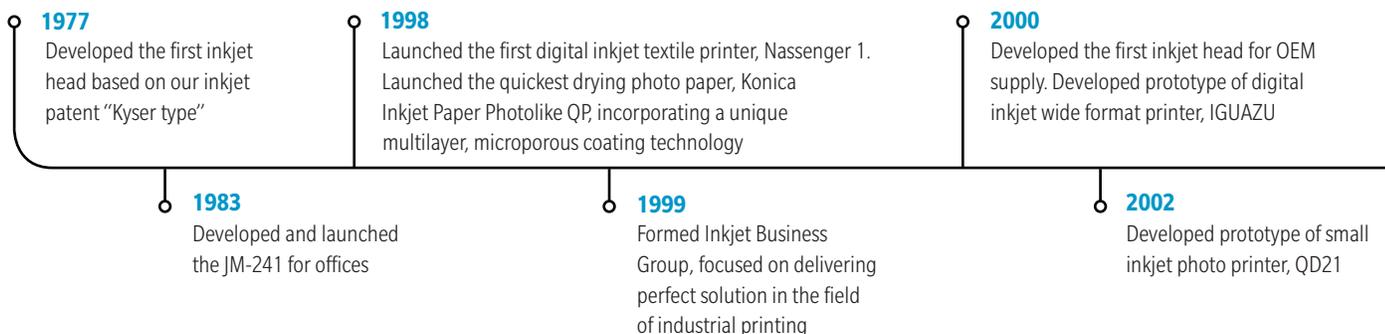
The wide sheet size and automatic duplex printing function means books and book jackets can be created quickly, easily and professionally.



FLYERS, MENUS, GREETING CARDS

Print on thin or thick paper stocks, coated and textured, for unique and durable flyers, menus and greeting cards.

A BRIEF HISTORY OF INKJET INNOVATION





BROCHURES, MAGAZINES AND CATALOGS

With its wide color gamut, the KM-1 delivers breathtaking imagery — exactly what you need for high-quality, image intensive collateral material.



SELF-ADHESIVE LABELS

The label market requires the need for differentiation — and the KM-1 delivers with brilliant colors and excellent adhesion to a number of self-adhesive substrates.



FOLDING CARTONS AND POCKET FOLDERS

Compatible with a wide range of paper thicknesses from .06 mm to .6 mm, the KM-1's versatility goes beyond ordinary printing by handling applications that require strength.



PHOTO IDS

Inkjet ability to print on PVC and synthetic papers makes the KM-1 optimal for creating professional, high-quality photo identification cards and solutions.



TRANSACTIONAL TRANS-PROMO STATEMENTS

Variable data applications can be used beyond personalized mailing items and extend to financial statements, including credit card and mortgage statements. This printing is ideal for full customization of confidential and secure financial communication documents.



2004
Launched inkjet textile printer Nassenger V

2010
Launched inkjet printhead KM1024

2016
Launched digital book printing and packaging solution with a UV inkjet sheet system to print on larger format B2: KM-1

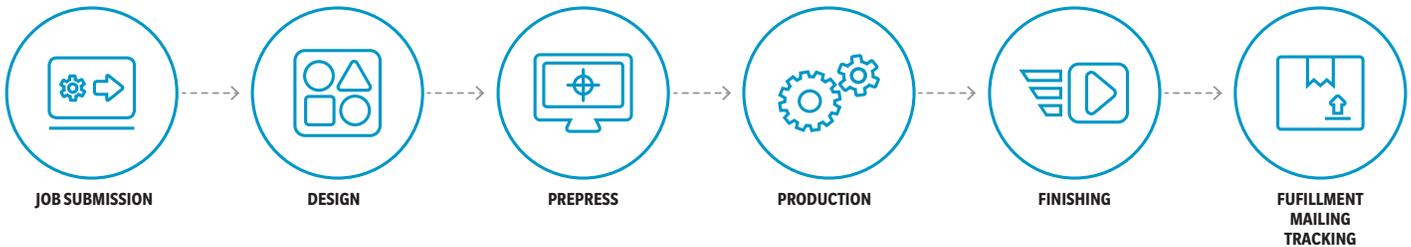
2005
Launched inkjet print head KM512

2012
Launched inkjet textile printer Passenger PRO1000

Present

STRATEGIC PARTNERS PROVIDE A COMPLETE END-TO-END WORKFLOW SOLUTION.

From job submission to tracking, Konica Minolta has a complete set of workflow solutions we've designed to suit the needs of your business. Additionally, we have tested, qualified and established strategic partnerships to provide you with best-in-class offerings in software, coatings, laminates, finishing equipment, network connectivity, digital asset management systems, substrate partners and more.



ALWAN COLOR EXPERTISE
A worldwide leader in color management, standardization and Process Control software.



HARRIS & BRUNO INTERNATIONAL
A global provider of high performance printing and coating equipment.



ITOTEC CO., LTD.
This cutting machine maker has almost 100 years of business experience.



OPENSOFTE INC.
Scissor Hands is artificial intelligence software that brings a new evolution to cutting work. DaVinci Designer is an online 3D print proofer for special embossed finishes and textiles.



ROLLEM INTERNATIONAL
Provides rotary slitting, scoring, perforating, collating and delivery systems, plus the Insignia line of die-cutting solutions.



THARSTERN LIMITED
A market leading software company providing management information systems to the printing and label industries.



ULTIMATE TECHNOGRAPHICS INC.
Ultimate develops and distributes cutting edge technology to automate and facilitate imposition and finishing for the graphic arts industry.



MBO AMERICA
Provides equipment for various finishing solutions.



MGI 3D EVO + ACCURIOJET KM-1 PARTNERED FOR EVEN MORE PERFORMANCE.

Konica Minolta has partnered with MGI to expand the already robust capabilities of the Accuriojet KM-1. The MGI 3D Evo prints additional embellishments on any KM-1 printed impression. Turn plain printed jobs into remarkable and appealing prints by spot coating digital prints, highlighting defined areas or adding tactile 3D effects with our digital spot UV coating device MGI JETvarnish 3D Evolution. And by combining it with the inline hot-foiling module, you'll achieve an even more glamorous finish.



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 makeready. It provides the extraordinary advantages of larger 23.02" x 29.53" 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

Type	29", B2+ sheet fed UV Inkjet DOD
Resolution	1,200 x 1,200 dpi
Ink type	UV ink
Colors	4C/4C CMYK
Grayscale	8 levels of gray
Printhead	KM 1800is
Frequency	96 KHz
Droplet size	Variable drop size — min. 3.5 pl / 7 pl
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)

*Specifications are subject to change.

Substrate thickness	Simplex — 0.06 to 0.6 mm Duplex — 0.06 to 0.45 mm
Substrate weight	Simplex — 16 to 150 lbs (50 – 400 gsm) Duplex — 16 to 267 lbs (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 lbs (8,100 kg)



For complete information on Konica Minolta products and solutions, please visit: CountOnKonicaMinolta.com

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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
- Business Consulting Services

TECHNOLOGY

- Office Multifunction Business Solutions
- Commercial and Production Printers
- 3D Printers
- Wide Format Printers
- 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



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