



KONICA MINOLTA

TECHNOLOGY

## AccurioPress C83hc

HIGH CHROMA DIGITAL PRODUCTION PRESS





# COLOR SO VIVID, YOU CAN SEE OPPORTUNITY IN IT.

Take print to a new level with a wider color gamut.  
And unleash new potential for your business.

One of the biggest challenges facing the print industry today is trying to capture the brilliant color we see on our monitors or photographs taken by a digital device. Conventional CMYK has not been able to replicate the vibrancy — until now. Konica Minolta's AccurioPress C83hc uses revolutionary High Chroma toner to make colors and images pop like never before — almost as if it's on screen. The result is color that performs the way you want it to and the way your business needs it to.

## **EXTENDED COLOR REPRODUCTION**

Colors on a monitor display a wider color gamut than conventional CMYK printing can achieve. CMYK ink or toner can miss important colors such as pink, purple and bright green. In fact, these colors look dull or muddy when printed with regular CMYK technology.

The AccurioPress C83hc uses a new toner formulated to produce greater saturation and clarity: High Chroma. This truly advanced imaging system reproduces sRGB colors with a rich saturation not seen on conventional CMYK.

## **EXPANDED PRINT OPPORTUNITIES**

With a wider array of RGB colors able to be reproduced, you can tap into new applications. Print studio photographs, photo books, corporate identity color, illustrations, communication graphics and more. The printed image is brilliant — more visually appealing and impressive than a conventional CMYK system. The larger range of colors is useful for printing spot colors, corporate logos, point-of-purchase, packaging and posters with high impact.

## **HIGH PRODUCTIVITY**

The AccurioPress C83hc is an exceedingly productive press, with high-capacity paper handling and high-spec finishing options for high-volume printing.

## **OUTSTANDING VERSATILITY**

This is a digital press built for today — made to adapt to changing market conditions and customer needs. It has a wide paper weight compatibility of up to 350 gsm. And it can handle a variety of media with ease, including envelopes, banners and textured stocks.

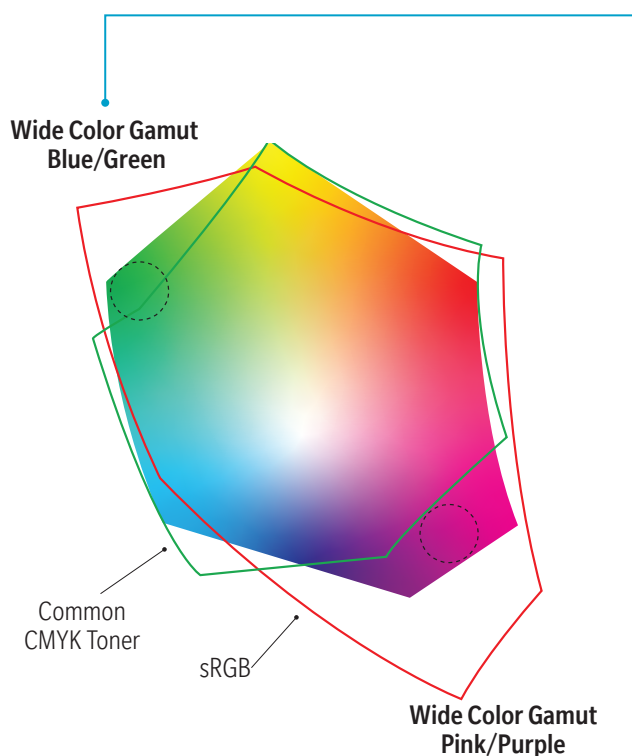
## **AUTOMATED ADJUSTMENTS**

The IQ-501 Intelligent Quality Optimizer makes automated color and registration adjustments possible — making the use of an external spectrophotometer obsolete. You not only achieve exceptional quality, but also improve productivity and, ultimately, profitability.

# HIGH CHROMA TONER COLOR MODEL.

From the screen to the printed page.

Achieve vibrancy close to RGB with High Chroma toner.



## ENHANCED LIGHT BLUE AND GREEN

The combination of a wider color gamut and higher L value of the High Chroma cyan toner produces clear and bright colors. Colors such as bright blues and greens can be achieved much more effectively than with CMYK toner-based systems.



CMYK toner



High Chroma toner



CMYK toner



High Chroma toner

## VIBRANT PINK, PURPLE AND MAGENTA

The large color difference between CMYK printing and RGB colors displayed on a monitor is one weakness of traditional CMYK print systems that can be avoided with a High Chroma AccurioPress C83hc.

Vivid color with the AccurioPress C83hc makes it possible for graphic designers to achieve eye-catching materials, giving you a point of differentiation from other printers.

## AT A GLANCE

### AccurioPress C83hc

- Extended color reproduction
- Expanded business applications
- Automatic registration monitoring
- Additional screening options
- Closed-loop density and image control



# COLOR THE WAY IT'S INTENDED TO BE.

## Opening your business to unlimited possibilities.

The AccurioPress C83hc has a wider color gamut, allowing you to match colors within the RGB color space. The result is color performance unlike any conventional CMYK printer. And an expanded list of applications that your business can handle with impact.



### STUDIO PHOTOGRAPHY AND PHOTO BOOKS

The unique High Chroma toner used by the AccurioPress C83hc utilizes colorants that are brighter and more saturated than traditional toners, resulting in more vibrant colors and smoother skin tones. This makes it ideal for photography and photo book printing.

You can now offer high-quality brochures, catalogs and photo prints made to higher color standards, to a much wider audience such as cosmetics, apparel and the photo book market.

### NATURE PHOTOGRAPHY AND APPAREL

The AccurioPress C83hc provides the unique ability to reproduce colors that are difficult to achieve using standard CMYK toner. Colors such as sunset purples, the pink of flowers and high-key greens and blues are now easily achievable. This makes it possible to reproduce the true intent of photographers and designers. You can now offer accurate reproduction of critical apparel colors in catalogs or fashion brochures with color reproduction that is much closer to the actual product colors.

### CORPORATE IDENTITY AND COMMERCIAL GRAPHICS

Hit a wider array of spot colors without extra process steps and additional production costs. Select the perfect screening from the available 12 screening options to achieve the perfect result. A selection of dot shapes, screen lines and Stochastic screening provides optimal tonal gradations. Choosing the right screening for the job at hand provides the extra dimension of control that can mean the difference between customer success and disappointment.

### COMMERCIAL PRINTERS

The AccurioPress C83hc delivers in-line, closed-loop quality management for automated color calibration and control. In-line automated image registration maintains productivity without the need for highly specialized press operator skills. Combined with its ability to print a wider range of colors on banners, envelopes and papers up to 350 gsm, the AccurioPress C83hc brings your commercial print business a whole new world of possibilities.

### DIGITAL PRINTERS

The AccurioPress C83hc is an affordable solution for digital printing companies that service a wide variety of customers. The one-touch closed-loop image quality management, huge array of stock choices and extremely robust in-line finishing suite means it meets or exceeds the exacting standards of short-run, variable data and on-demand workflows.

### CORPORATE IN-PLANTS AND FRANCHISE PRINTING

The AccurioPress C83hc offers versatile controller options, spot color matching and one-touch media setup critical to the diverse legacy job flows and ultra-tight turnaround times of the typical in-plant and franchise print environment.



# PRINT WHAT YOU IMAGINE. **THE WAY YOU IMAGINED IT.**

The true power of the AccurioPress C83hc goes beyond color. It's built to perform accurately and consistently, delivering high-quality work the way your customers want it.

## **PRECISION REGISTRATION**

The AccurioPress C83hc provides greater registration accuracy through the use of a unique technology that can detect and correct for paper misalignment and skew. A high-precision mechanism provides the accuracy needed for duplex printing, repeat jobs and for trimming/bookbinding by automatically correcting paper feed misalignment in the main unit tray. Paper is automatically pressed against the registration roller to correct for misalignment while the registration swing mechanism moves shifted paper into the correct position.

## **EXPANDED MEDIA RANGE**

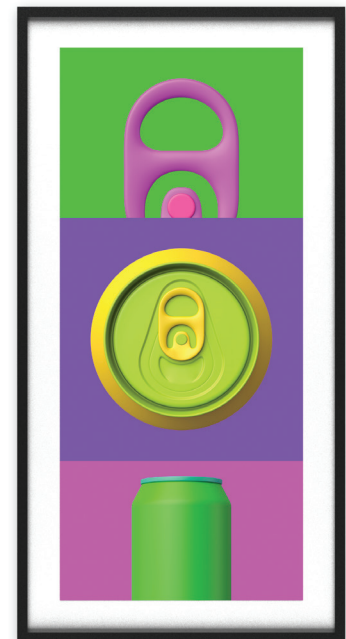
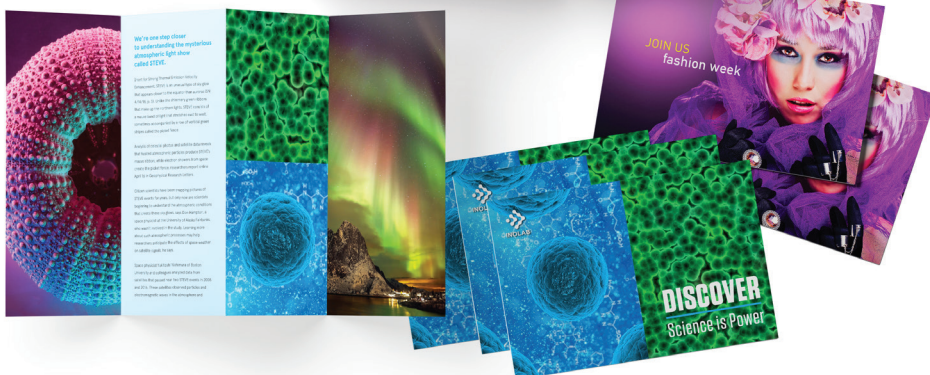
Print up to 350 gsm stock and on a wide range of available papers. Your print service offering can be expanded to include thick stock packages, tags, direct mail and sales promotion tools. The air-suction paper feed mechanism enables reliable feeding of thick paper that produces a high-transport load. In addition, the enhanced paper function enables printing on a variety of paper types with ease. Using the optional envelope-dedicated fusing unit, stable and high-quality envelope printing is possible using a wide range of envelope stocks.

## **REAL-TIME IMAGE OPTIMIZATION**

An IDC sensor located on the intermediate transfer belt automatically monitors density throughout the run ensuring greater image consistency and reduced waste. This will increase profitability and improve customer satisfaction.

## **LARGE CAPACITY LONG SHEET PRINTING**

The AccurioPress C83hc allows you to print the largest banners in its class, up to 51", and duplex paper stock up to 30". An optional paper feeder for 30" banners accommodates 1,000 sheets for continuous feeding of banners, book covers, tri-fold menus and other oversized formats.



## **AMAZING APPLICATIONS**

The AccurioPress C83hc series offers stunning imagery for a diverse application set. From photo books, posters or banners, corporate identity color, direct mail, point-of-sale and beyond.



## WIDE RANGE OF FINISHING OPTIONS FOR UNMATCHED PRODUCTIVITY AND VERSATILITY.

### FINISHING OPTIONS

The AccurioPress C83hc series features a variety of finishing options to meet customers' needs and tap into new revenue streams.



**Booklets**  
(including square-fold and full-bleed finishing)



**Perfect bound**



**Punching**



**GBC punching and binding**



**Stapling**



**Stacking**



**Envelopes**



**Banner printing**



**Tri-fold**



**Gate fold**



## POWERFUL CONTROLLERS TO OPTIMIZE YOUR WORKFLOW.

Konica Minolta's exclusive internal image controller delivers a powerful, affordable color management solution that supports Konica Minolta Solution Platform Open API and IWS-related applications. The new web-based job management interface lets the user manage their jobs in any web browser without the need to install proprietary software. This allows the ability to enable hot folders and manage the print queue with ease.

Additional print controller options are also available to offer graphic communications professionals unprecedented color performance and world-class functionality with hot folders, advanced color management controls, spot color libraries and seamless integration with third-party systems.



# THE IQ-501 INTELLIGENT QUALITY OPTIMIZER. A GAME CHANGER FOR ACCURACY.

## Save time. Reduce waste. Win big.

You've come to expect quality and precision from Konica Minolta, and the IQ-501 Intelligent Quality Optimizer option lives up to our reputation. Picture constant, closed-loop paper registration — image-on-image, image-on-paper and side one/side two registration — on every page, measured and managed automatically, in real time, by your digital press. Skip the use of an external spectrophotometer, manual measurements or complex color formulas, while achieving the highest industry standards for color and registration with the simple touch of a button.

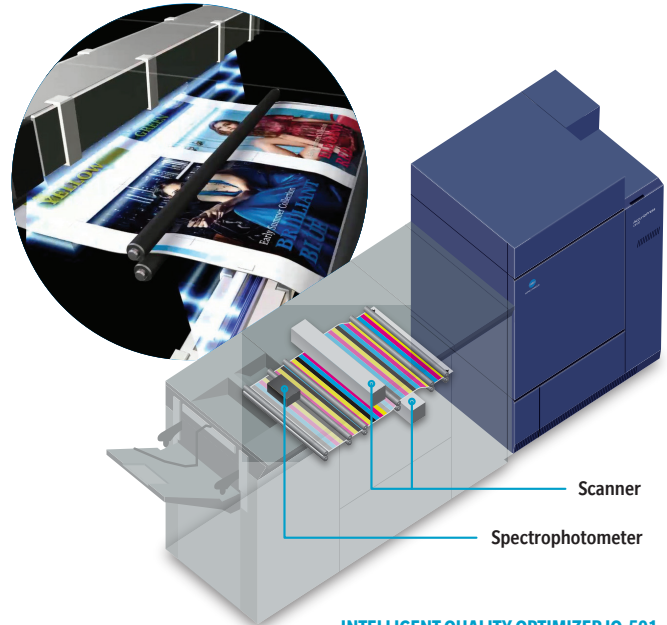
With the IQ-501 Intelligent Quality Optimizer on the AccurioPress C83hc, you will drive results for your business:

- Minimize variability in color and registration
- Reduce waste through real-time defect detection
- Minimize manual intervention
- Increase uptime and reduce the need for service with automated, autonomous self-correction
- Achieve the highest standards in color accuracy that meet G7, GRACoL and other print industry calibration requirements

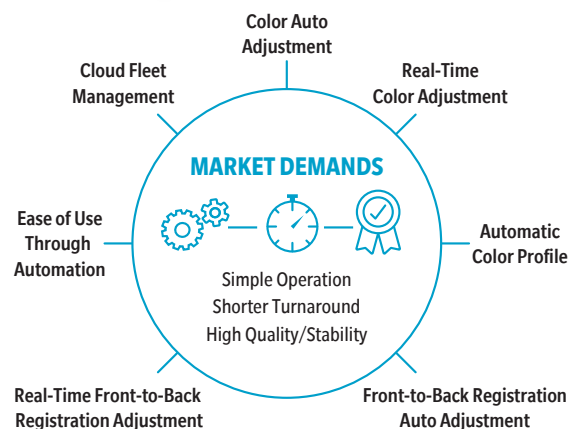
The IQ-501 Intelligent Quality Optimizer is compatible with all controller offerings and allows you to conform to industry specifications for color, including G7 and GRACoL. The AccurioPress C83hc also supports Cloud-based color management software for further color control.

### HOW THE IQ-501 WORKS

IQ-501 Intelligent Quality Optimizer uses a spectrophotometer/scanner combination to examine each sheet in real time and, using a closed-loop feedback system, continually measures and transmits color density, color fidelity and registration information to the controller. Corrections are then made on the fly, ensuring that every print is of the highest quality, with the least amount of labor intervention.



INTELLIGENT QUALITY OPTIMIZER IQ-501





# KEY REASONS YOU NEED THE ACCURIOPRESS C83HC.

## SYSTEM FEATURES

## BENEFITS

<b>High chroma toner</b>	Extended color gamut printing creates new business opportunities
<b>80 ppm/letter</b>	High-speed/capacity paper handling for increased productivity
<b>350 gsm paper weight</b>	Media versatility to handle a wider portfolio of applications
<b>1,200 x 1,200 true dpi</b>	Sharpness to impress the most demanding customers
<b>Advanced screening</b>	Choice of 12 screening options improves quality and job versatility
<b>Image density control sensor</b>	Automated closed-loop density control reduces print waste
<b>Intelligent quality optimizer</b>	Real-time color control and registration for unmatched consistency
<b>51" long sheet</b>	Print a greater variety of job types for current and new customers
<b>Closed-loop paper registration</b>	Image-on-image/front-to-back registration increases uptime
<b>AccurioPro Print Manager</b>	Advanced job management and processing for maximum productivity

## AccurioPress

For complete information on Konica Minolta products and solutions, please visit: [CountOnKonicaMinolta.com](http://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  
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



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