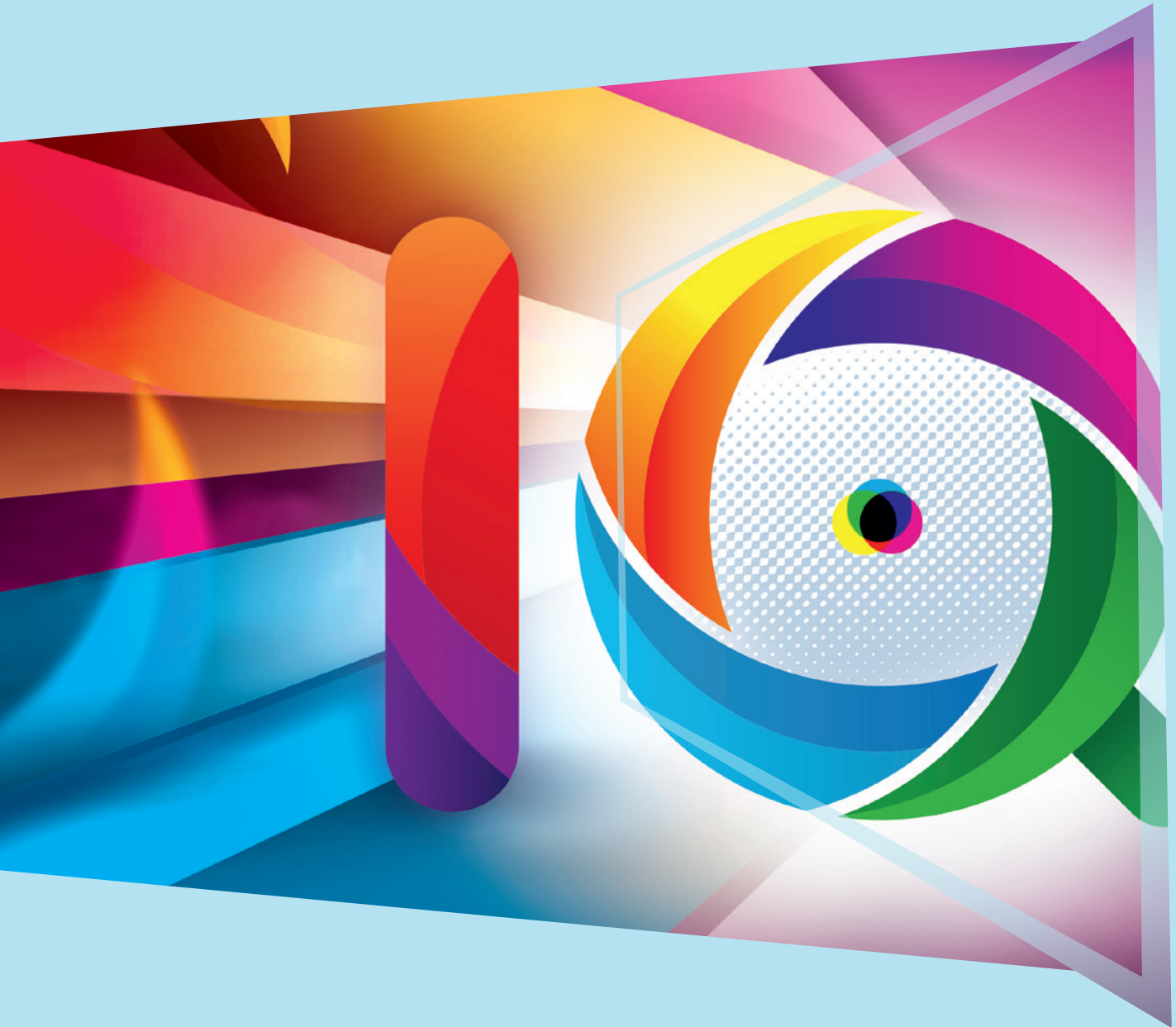




KONICA MINOLTA

INTELLIGENT  
QUALITY CARE 



# ZOOM IN ON AUTOMATION

**WITH Auto Inspection Technology**

Giving Shape to Ideas

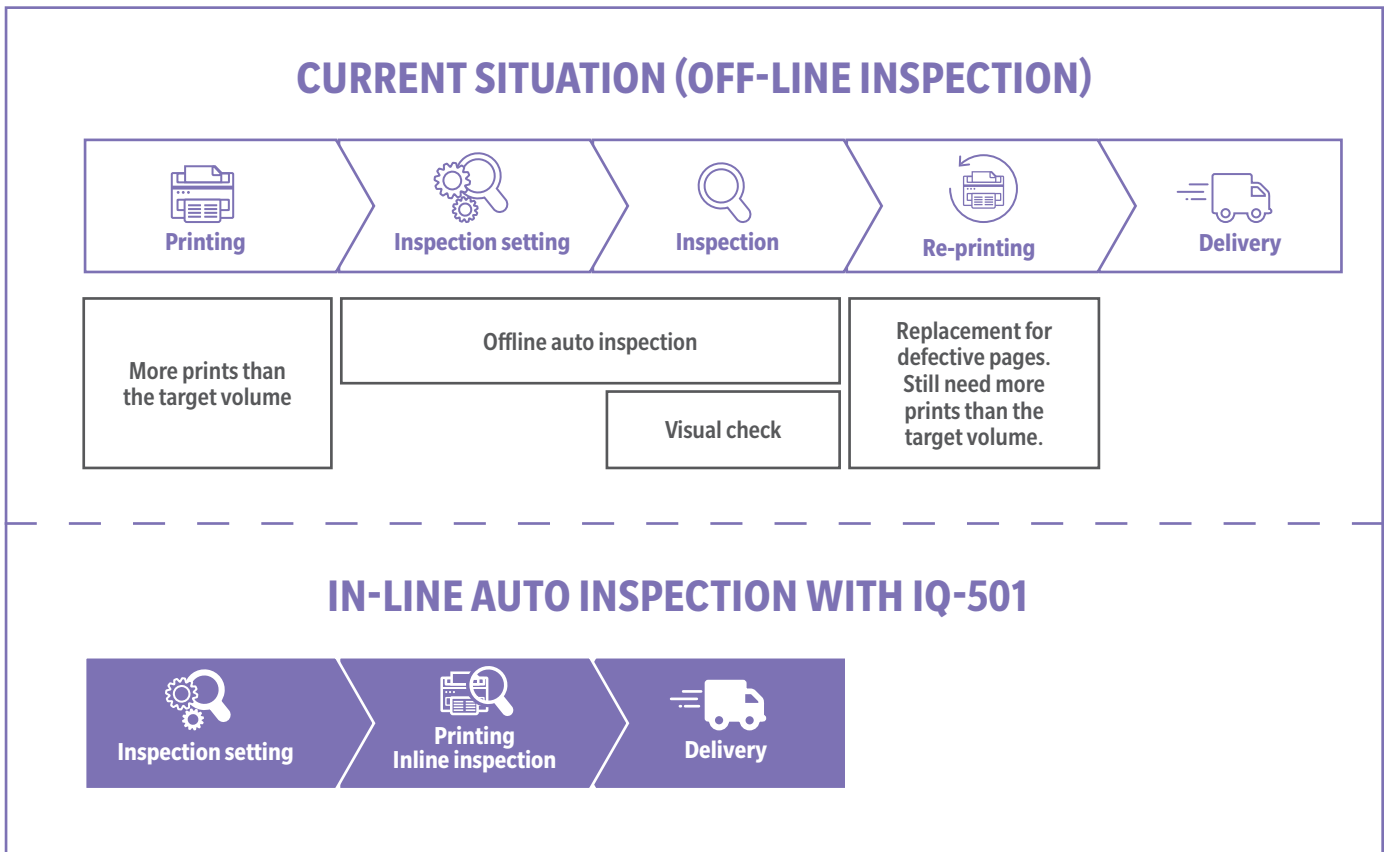
# ZOOM IN ON INSPECTION

Konica Minolta's Auto Inspection Technology (AIT) is another innovation in the Intelligent Quality Care System IQ-501. AIT is perfect for all print providers looking for easy, efficient and reliable print production. It automatically inspects each and every sheet of your production and makes sure only sheets meeting the requirements are delivered. Manual inspection and intervention are something of the past. Your print room will be more productive and misprints reduced to a minimum. Last but not least, excess prints are not required anymore, which again reduces costs and generates higher margins.

AIT is designed as fully automated, closed loop inspection technology to make sure your customers will come back to you, not your printed products.



# HOW AIT IMPROVES YOUR WORKFLOW



## YOUR BENEFITS AT A GLANCE

- Highest reliability for all of your printed jobs
- Shorter turnaround times with automated process
- Ease of use even for novice operators
- Free up operator time for more important jobs
- No extra prints required for estimated defects

# ZOOM IN ON AUTO INSPECTION

Auto Inspection Technology (AIT) can be installed on the IQ-501 Intelligent Quality Care Unit to perform real-time inspection of every single sheet. This significantly reduces inspection time while achieving high-precision inspection; furthermore, it saves the manpower otherwise needed for inspection. The three different Auto Inspection Technology levels distinguish themselves in their features and functionalities to perfectly match specific requirements.

## Essential AIT

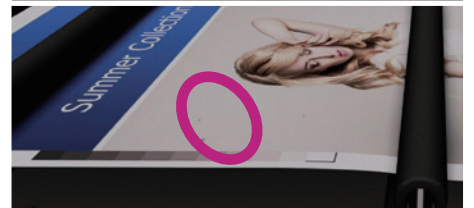
Basic Auto Inspection Technology requires UK-301 and RU-702 and includes:

- Detection of dirt on print, lack of images, lack of pages and incorrect page order
- Automatic reprint upon detection of any deviation
- Purge function for rejected sheets
- Individual setting of the inspection area to exclude parts from the inspection sheet
- Different levels of inspection accuracy can be set by the operator
- Automatic reporting (accessible via web browser) includes: List of jobs; indication of inconsistent jobs; detailed report sheet; indication of recognized deviations;

Scan



Detect



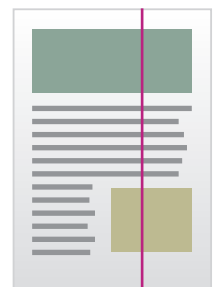
Reject



## Premium AIT

Advanced inspection is available for the latest print engine generation of Konica Minolta and, in addition to Essential AIT, includes:

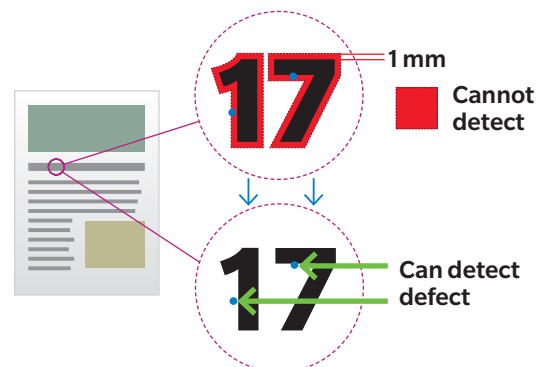
- Detection of spots and streaks



## Ultimate AIT

The highest inspection level requires UK-311 and, beyond the premium AIT functionality, provides the following feature:

- Rip-Scan Comparison = this compares the printed image data directly with the IQ-501 scanning data enabling the inspection of areas much closer to fonts, lines or images



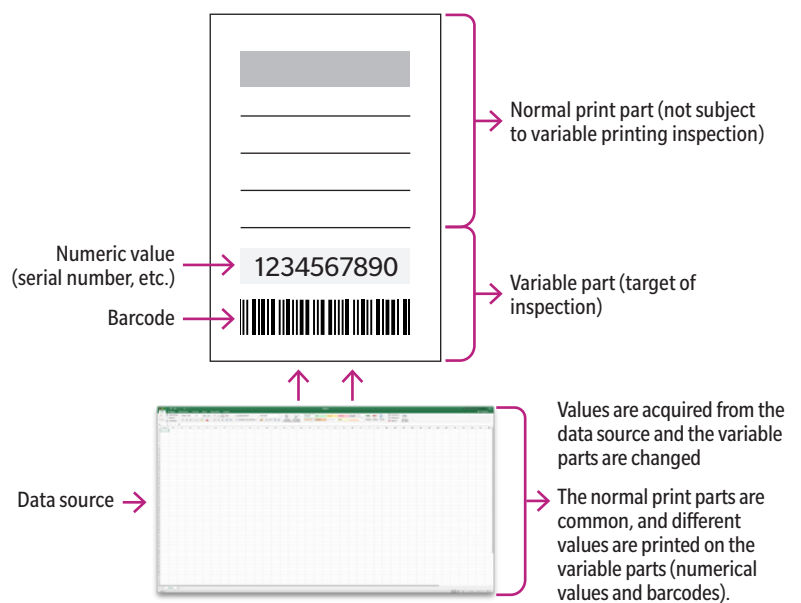
# ZOOM IN ON VARIABLE DATA INSPECTION

The AIT functionality can be further enhanced with Variable Data Inspection (VDI). VDI reads, analyzes and reports printed data to make sure that prints meet the requirements. Again, three versions are available to meet specific demands.

## Essential VDI

Basic Variable Data Inspection (VDI) checks the readability of both barcodes and QR codes and can detect if numbers are printed in correct sequence. Beyond that, it includes:

- CSV file reports for later import to cross-check the integrity of all printed data
- Detectable areas can be set at up to 30 different places on a page
- Values of 8 points or more with max. 20 digits can be detected
- Compatible code types: CODE39, CODE93, CODE128, JAN(EAN), ITF, NW-7, UPC, QR Code, PDF417, Aztec Code



## Premium VDI

By adding Rip-Scan Comparison via UK-311, printed image data is directly compared with scanned data from IQ-501, allowing the inspection of areas that contain variable elements.



## Ultimate VDI

In addition to the Premium VDI functionality, Ultimate VDI enables real-time comparison of printed variable data with an existing CSV file. This makes it possible to automatically confirm whether variable printing of bar codes, QR codes and numbers has been performed correctly.

# 10 GOOD REASONS TO INVEST IN AUTO INSPECTION TECHNOLOGY

What is it that the Auto Inspection Technology does, that printing systems from other manufacturers cannot offer? Understand the AIT's specific advantages, and you'll realize that this ingenious tool will quickly revolutionize your production workflows!



## 1. UNSKILLED OPERATION

No expert skills are required to get best results.



## 2. BOOST YOUR PRODUCTIVITY

High throughput without user intervention or standstills; the press runs continuously.



## 3. UTMOST RELIABILITY

Absolutely reliable production with no inconsistent prints



## 4. HIGH ACCURACY

Each discrepancy is automatically recognised and rejected



## 5. WORRY-FREE WORKFLOW

You can trust in each and every sheet you deliver to your customer.



## 6. NO EXCESS PRINTS

Extra prints to fulfil your customer needs are a thing of the past.



## 7. SHORTEST ROI

The great functionality avoids waste prints, ensures great time savings and guarantees a fast ROI.



## 8. INCREASED CUSTOMER LOYALTY

As your prints become more reliable you can be sure your customers will come back and not your prints.



## 9. HIGH LEVEL OF AUTOMATION

The automated process of AIT frees your operator for more important tasks.



## 10. GREATER EFFICIENCY

Your prints are produced with minimum effort and maximum reliability making your print room more efficient and you can print more in less time.



KONICA MINOLTA

# IQ-501 SUPPORTS THESE KONICA MINOLTA PRESSES:



AccurioPress C83hc



AccurioPress C4070



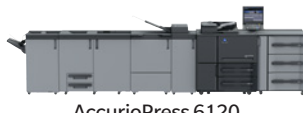
AccurioPress C4080



AccurioPress C6085



AccurioPress C6100



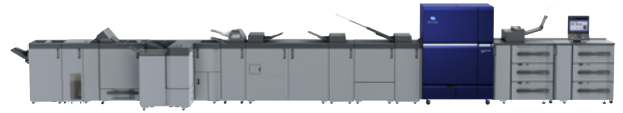
AccurioPress 6120



AccurioPress 6136/P



AccurioPress C12000



AccurioPress C14000

DEVICES	AUTO INSPECTION TECHNOLOGY			VARIABLE DATA INSPECTION		
	Essential	Premium	Ultimate	Essential	Premium	Ultimate
AccurioPrint C4065	⊖	⊖	⊖	⊖	⊖	⊖
AccurioPress C4070	✓	✓	✓	✓	✓	✓
AccurioPress C4080	✓	✓	✓	✓	✓	✓
AccurioPress C83hc	✓	⊖	⊖	✓	⊖	✓
AccurioPress C6085	✓	⊖	⊖	✓	⊖	✓
AccurioPress C6100	✓	⊖	⊖	✓	⊖	✓
AccurioPress C12000	✓	✓	✓	✓	✓	✓
AccurioPress C14000	✓	✓	✓	✓	✓	✓
AccurioPress 6120	✓	⊖	⊖	✓	⊖	✓
AccurioPress 6136/P	✓	⊖	⊖	✓	⊖	✓