



Shorten lead-time from beginning to end of production

Padmaja Graphics

Thanks to the AccurioPress C6100 and IQ-501, we have been able to improve the accuracy and simplicity of operators' work.



On our printing sites, there were challenges in the handling of various jobs. Yet although the IQ-501 could solve these issues, we initially felt apprehensive about a purchase due to the questions of space and cost. However, after installation of the IQ-501, we were able to stabilize quality and shorten lead-time, and we realized how important it is to our business. Our operators are also very happy that we purchased the IQ-501.



Challenges

- Unacceptable quality
- Color variance problem occurs during a long run production
- Apprehensive about installing IQ-501

Solutions

- Automated adjustment
- Excellent stability and accuracy
- Excellent productivity

Customer onsite issues

From the beginning of printing a job until completion, operators were wasting time outside of production.

In particular, there were instances where quality deteriorated after starting a job, and maintenance of quality required manual engine calibration and quality checks, etc.

Issues:

- Paper jams occur frequently when printing large-volume jobs. Jams occur even when the operator sets the paper correctly. Therefore, we use other machines when outputting large-volume jobs.
- It takes from 30 minutes to one hour to perform colour calibration.
- When we print different images on each side, such as for business cards, the front and back registration mark precision is poor, so we cannot use double-sided printing. Therefore, we need to print one side at a time. (We want to use double-sided printing, but for now the workload is doubled as we have to set the printed paper and print (through the machine) twice over.)

Customer Profile



Name	Padmaja Graphics
Website	http://www.padmajagraphics.com/
Address	28-10-20, Masjid Street, Arundalpet, Vijayawada, Andhra Pradesh 520002 India
Business	Commercial printer
Employees	7 employees incl. 3 operators The owner is also an operator
Implement	AccurioPress C6100 + IQ-501

- Business: Digital printing, no finishing.
Very innovative, early adopter, many investment
Ex) Short run Multi-Colour Book Printing, Labels, Menu Card Printing, Annual Reports, CD/DVD Stickers, ID Card Printing, Letter Head Printing, Brochure Printing, Flyer Printing, Business Cards Printing
- Application: 100% digital printing
Ex) Business card, Invitation card, Die-cut label (food label), Brochure, PVC sticker, Flyer, School certificate
- Kind of customer: Distinct agency, school, and so on.



Solution & Benefit

Alleviating problems during production by ensuring stable quality

In order to improve Padmaja Graphics' workflow, we introduced the automated adjustment and real-time correction functions of the AccurioPress C6100 and IQ-501. We thought the real-time correction function would be particularly helpful in resolving their problems during printing.

Konica Minolta's Solution

1. Automated adjustment:

It's now possible to perform automated Front-to-back registration and colour adjustments at the touch of a button, reducing the number of steps in the process

- Calibration operating: Manual operation takes a few minutes, IQ-501 only takes 2 minutes.
- Front to back registration: Manual operation takes a few minutes, v/s IQ-501 only takes 2 minutes.

2. Real-time correction:

Automatically corrects misalignments in colour or front-to-back registration position that occur during printing

Customer Benefits

The IQ-501 speed things up and reduces wasted work time

1. Reduced time wasted making adjustments

- Since there is almost no skew from the beginning to end of printing, it has been possible to reduce downtime caused by adjustment during printing, etc.
- Front-to-back registration time has been reduced from about 60 min. to about 5 min.
- Solved problems resulting from human error and differences in level of quality among operators

2. Improved productivity

- Thanks to excellent accuracy of front-to-back registration position, it has become possible to use double-sided printing.
- With C6100 and IQ-501, it has become possible to deal with large-volume jobs.

AccurioPress
C6100/C6085

&

Intelligent Quality Optimiser
IQ-501

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