

DEVELOP

Dynamic balance

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dp-i Digital Print Innovations AG

Zoom in on Quality with IQ-501, Intelligent Quality Care

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INTELLIGENT
QUALITY CARE 

Zoom in on automation

DEVELOP's Intelligent Quality Care system is the innovation per se for print providers intent upon outdoing their competitors. Performing with the assistance of smart machine automation, the IQ-501 is all about saving time while creating extra value for your printing business and your customers.

The innovative IQ-501 for Intelligent Quality Care takes consistency and registration accuracy to a new level. The IQ-501 provides extensive automation for image position and registration on the one and colour control on the other hand. This is made possible with our proprietary closed-loop control system that checks and corrects printed output. Automation provided by the IQ-501 also extends to colour calibration and profiling – all designed to reduce operator time and print wastage while increasing productivity.

What you avoid with IQ-501 and what that means for your business



NO MORE
daily “waking-up” or
preparation of equipment
plus repeated job
adjustment during the day



IQ-501 can **save** your
business up to **300 work-**
ing hours per year



NO MORE
third-party colour
calibration device required



saves more time and
financial outlay



NO MORE
need for
regular operator trainings



increased operator time
and reduced costs



NO MORE
money lost on wasted
output or print orders
that are refused/returned
by customers



enhanced customer
satisfaction & your
margins protected

Example: Printing business cards

- Producing perfect, professional output is a skilled, highly technical task. Business card printing for instance – a frequent job and routine procedure – becomes so much more efficient when automated with the IQ-501!
- Think of the time it takes your operator again and again to review proofs, ensure the line-up is perfect for cutting within acceptable tolerance, and examine the registration.
- With Intelligent Quality Care technology, the entire process is automated: Your IQ-501 provides auto-register adjustments that are precise, and also gives continuous feedback to the engine to automatically adjust the colour exactly to your customer’s requirements. Perfect, impeccable business cards are thus printed almost in an instant!



Zoom in on cutting-edge technology

Going for the IQ-501 Intelligent Quality Care system, you are adopting state-of-the-art image processing features. Not only are you zooming in on pioneering technology, you will boost the colour quality of your complete range of print products – to the entire satisfaction of your customers!



Automatic colour density control

Precise and reliable colour density control is a precondition for high-quality colour reproduction and smoothest gradations. Minimising uneven density ensures that best solids are achieved in every print run.

Applications: Presentations, Brochures, Tickets



Grey balance adjustment for exact colour

When producing mono pieces or image elements using CMY process greys, during printing any deviation from the reference colour is automatically monitored and corrected.

Applications: Fashion catalogues, Posters, Advertisements



Colour validation

The validation is ideally done before jobs that emphasise colour reproduction or when updating printer profiles. The procedure helps ensure that printed results correspond to your customer's expectations.

Applications: Proofing, Fine Art, Direct Mailings

Hands-free printer calibration and profiling

Creating a calibration and ICC profile for each new media is considered essential to obtain the best print quality and is fast and easy with the IQ-501. It offers direct access to several ICC profiling software applications and completely avoids the tedious manual routine of using an offline spectrophotometer.

Applications: Magazines, Catalogues, Photo Merchandising



Real-time colour and registration adjustment on the fly

Continuous monitoring and closed-loop, automated process controls check each and every print; and on-the-fly adjustments provide highest-quality colour and registration results that will satisfy you and your customers.

Applications: Business Cards, Manuals, Forms



Automated front-to-back registration adjustment

All the operator needs to do is specify the media and tray – and the IQ-501 automatically adjusts the front-to-back registration for the job, page by page. In an instant, a perfect match is achieved for best accuracy and precision.

Applications: Business Cards, Manuals, Forms





10 good reasons to invest in IQ-501's Intelligent Quality Care System

What is it that the IQ-501 does, that printing systems from other manufacturers cannot offer? Understand the IQ-501's specific advantages, and you'll realise that this ingenious tool will quickly revolutionise your production workflows! Seems too good to be true? Put the IQ-501 to the test and you'll find out otherwise!

- 1 Maximum production efficiency**
The automatic colour and registration adjustments applied before printing minimise job setup times and maximise your throughput.
- 2 Faster turnaround**
With the IQ-501, you automate and speed up most of the preparation and make-ready of your printing press, for increased productivity on your part and faster response times for your customers.
- 3 Much reduced downtime**
Smoother production runs and no more need for regular checking during production cut downtime to a minimum.
- 4 No more human error**
Special operating skills are not necessary for the IQ-501, reducing the chances of human error causing misprints.
- 5 Money saved**
The waste of material so far unavoidable during colour and registration adjustment is no longer an issue; and time-consuming routine tasks are greatly reduced.
- 6 Consistency across the range**
With real-time monitoring and automatic colour and registration adjustment, the IQ-501 delivers highly consistent quality across your entire range of print products.
- 7 Fewer service calls**
The IQ-501's automated cloud-based data collection helps avoid many onsite service calls; most issues can be solved remotely.
- 8 No special skills required**
Even novice print operators can produce precisely registered, calibrated and profiled colour prints from their very first print run.
- 9 Human intervention minimised**
The IQ-501's automated artificial intelligence technology gets it right every time: measurements are always reliable and precise and do not need operator intervention.
- 10 No compromise on print quality**
From now on, you'll find it easy to achieve outstanding print quality in every print run. Let the IQ-501's highly accurate automatic adjustment features take care!

Interessiert?

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- Workflow
- Technology
- Training
- Services

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