

Colour Management Solution

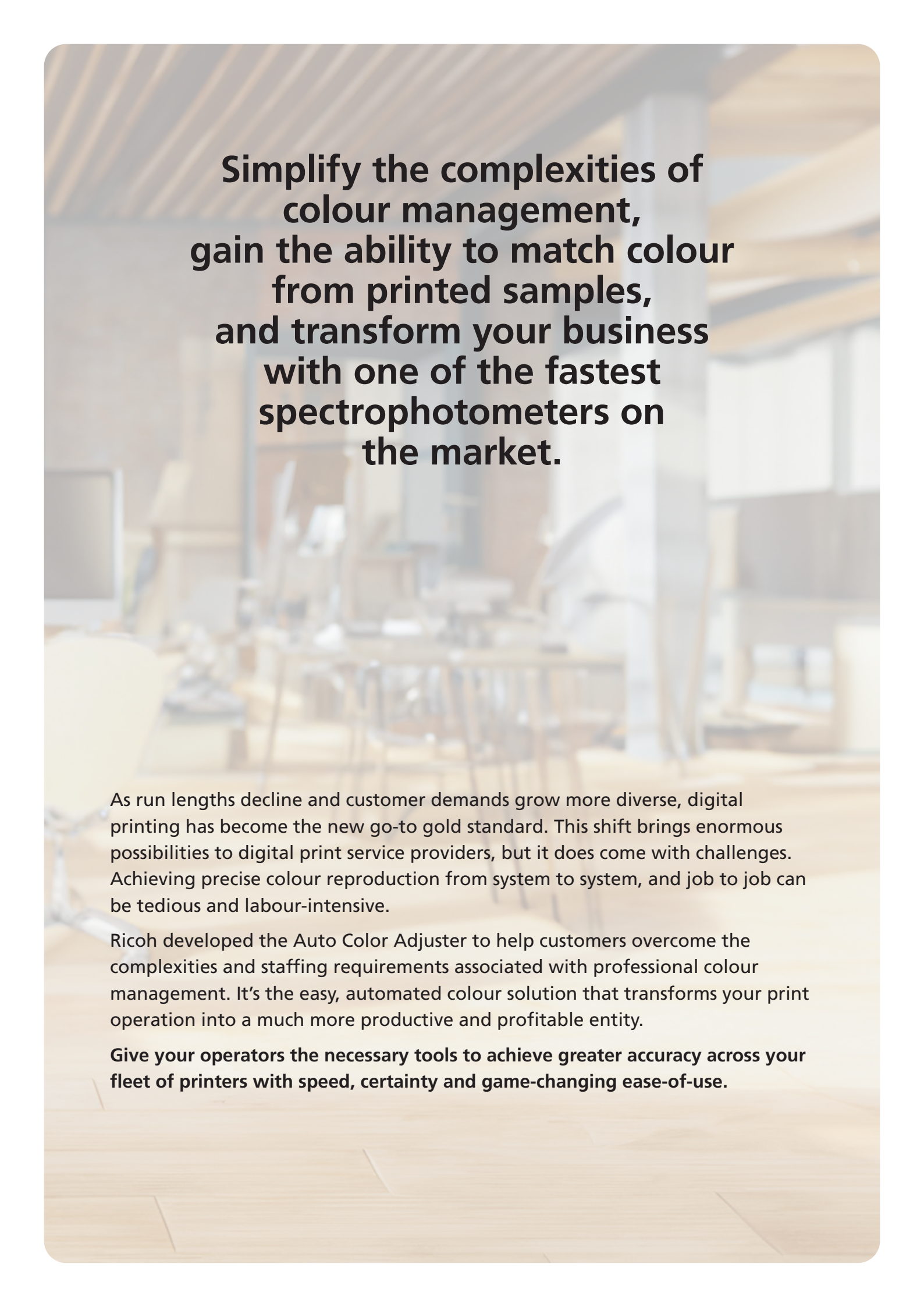
RICOH
imagine. change.

RICOH Auto Color Adjuster



Turn the challenges of colour
management into your
competitive advantage.





**Simplify the complexities of
colour management,
gain the ability to match colour
from printed samples,
and transform your business
with one of the fastest
spectrophotometers on
the market.**

As run lengths decline and customer demands grow more diverse, digital printing has become the new go-to gold standard. This shift brings enormous possibilities to digital print service providers, but it does come with challenges. Achieving precise colour reproduction from system to system, and job to job can be tedious and labour-intensive.

Ricoh developed the Auto Color Adjuster to help customers overcome the complexities and staffing requirements associated with professional colour management. It's the easy, automated colour solution that transforms your print operation into a much more productive and profitable entity.

Give your operators the necessary tools to achieve greater accuracy across your fleet of printers with speed, certainty and game-changing ease-of-use.

Boost your business to a new level.

Acquire more customers with one of the fastest spectrophotometers on the market.

Imagine these scenarios:

- A customer walks into your print business with a request for brochures and provides samples for colour reference. With the RICOH Auto Color Adjuster, in minutes you'll have a direct colour match and can deliver what the customer is asking for.
- You're running a multi-piece campaign for a high-value customer and all elements must match across systems and substrates. With the RICOH Auto Color Adjuster creating your ICC profiles, the risks of colour variation, costly reprints and missed deadlines are virtually eliminated.
- You printed a large run of high-quality catalogues on an offset press and your customer returns with a rush request to print an additional 500 pieces. With the RICOH Auto Color Adjuster, you can confidently reproduce the job on your digital press and avoid impractical reprinting and setup time on your offset press to earn the profit margin you desire.



Precise colour matching.

Cut hours of work to just minutes, free up experts and complete more jobs in a day.

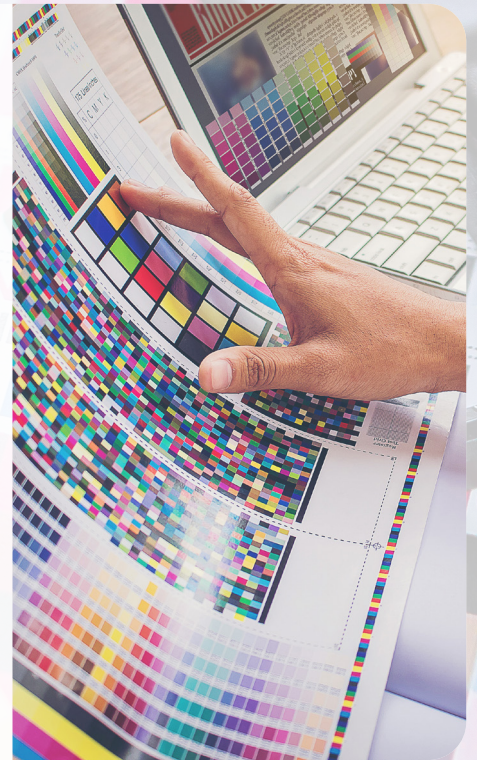
Matching a colour swatch or printed original often requires a trained specialist. The RICOH Auto Color Adjuster transforms the traditional process of colour matching, enabling anyone within your company to achieve accurate and repeatable results. The system automatically generates an ICC profile to precisely reproduce colour tones after comparing the scanned original and test print.

Quality, productivity and profitability.

Quick colour adjustment.

Rely on any employee to manage colour-essential jobs.

The RICOH Auto Color Adjuster clears the hurdles of modifying system settings to unify output across entire fleets. By analysing the condition of each model, Ricoh's advanced spectral colour technology successfully solves for colour differences. Say "goodbye" to scheduling around the availability of an expert—give your business the ability to split runs between printers and applications, and execute multi-channel print campaigns across devices.



User-friendly management and verification.

Remove the bias that can occur when colour is judged visually and criteria are not clear.

Tap into the sophistication of the RICOH Auto Color Adjuster to verify colour adjustments against compliance standards. In the management view, operators can see if colours have changed and determine if further calibration is needed. Ensure production starts with a clear and concise understanding of colour status and avoid costly reruns.

The new paradigm in colour matching.

Until now, colour matching in printing operations required time-consuming work by skilled operators.

Through simplified, automated operation, the RICOH Auto Color Adjuster removes the need for specialist skills when performing daily colour adjustments and colour verification. By representing colour quality in terms of numerical values, it also enables efficient and objective quality control.

What's more, it features proprietary RICOH technology enabling colour matching against actual image samples.

The RICOH Auto Color Adjuster is a new colour management solution that leverages the power of digital technology to streamline complicated tasks.

Defining a paradigm for colour matching, this solution can revolutionise your printing operations.



Key capabilities.

Benefit from easy colour management

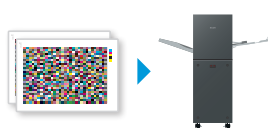
Daily colour adjustments are completed rapidly and precisely—the press ready for production in just a few minutes. Colour is unified across your fleet so work can be split across devices with confidence.

1 Print out charts



Print out two charts (per device).

2 Scan charts



Colorimetry on two SRA3-size charts takes 80 seconds.

3 Printer Condition Check



Printer condition check is carried out automatically. If OK, proceed to profile creation.

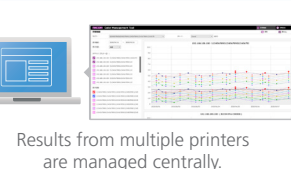
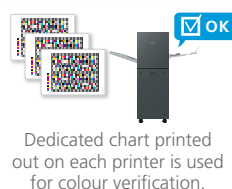
4 Profile creation and registration



An ICC profile is automatically created and shared to the digital printer.

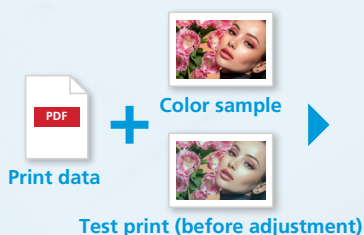
Verify and manage against industry standards

Quickly check and verify colour adjustments against industry standards—such as Fogra Validation Printing System—by scanning the verification chart from each device in your fleet. Operators can also see how colours have changed over time, providing valuable quality control reporting.

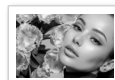


Match colour samples from various sources

Anyone in your business can achieve accurate and repeatable colour matching results—even from unknown sources. Cut hours of work into minutes—the system automatically generates an ICC profile to precisely reproduce colour tones after comparing the scanned original with a test print.



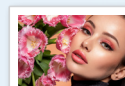
Scan the colour sample and the test print.



Create a colour difference map and a correction profile.



Import the correction profile.



Start production (after adjustment)

RICOH Auto Color Adjuster

SYSTEM SPECIFICATIONS

General

Model Name:	RICOH Auto Color Adjuster
Spectroscopy Engine:	Diffraction grating method
Optical Resolution:	1 mm pitch on the surface of the object to be measured
Minimum Patch Size:	6 x 6 mm
Measurement Conditions:	M0/M1/M2
Spectroscopic Output:	400 to 700 nm at 10 nm pitch, spectral reflectance output of 31 points
Repeatability:	0.04 ΔE_{00} (deviation of repeatedly measured values of BCRA standard tile [white] under Ricoh measurement conditions)
Scanning Speed:	40 seconds per sheet (SRA3)
Colour Adjustment Time:	Easy Color Adjustment: 220 seconds or less (from start of scanning to creating profile – excludes profile importation time) Golden Sample Matching: 150 seconds or less (from pressing the “Load PDF” button to creation of ICC profile)
Warm Up Time:	Less than 300 seconds
Dimensions (W x D x H):	1,102 x 727 x 1,098 mm (when using the sheet-feed tray and extension) 374 x 727 x 1,098 mm (when sheet-feed tray is stored and excludes pedestal feet)
Weight:	Less than 86 kg
Power Source:	220-240V, 1A, 50/60 Hz
Power Consumption:	Less than 150W

Media Handling

Paper Type:	High-quality paper, coated paper, matte paper, and art paper
Paper Input Capacity:	35 sheets (209 gsm)
Paper Output Capacity:	150 sheets (209 gsm)
Paper Size:	210 x 210 mm to 330.2 x 487.7mm
Paper Weight:	73.3 - 279 gsm

PC System Requirements

Operating System:	Windows 10 Pro 64bit ver2004 or later
CPU:	Core i7 or higher
Memory:	16 GB or higher
HDD:	250 GB or higher (free space)
Interface Ports:	1 x USB 3.0 (Type A) port 2 x USB 2.0 (Type A) ports
Monitor Resolution:	1920 x 1080 or higher
Web Browser:	Google Chrome

Note: PC System to be supplied by customer.

Pricing and Subscription

The RICOH Auto Color Adjuster requires an initial investment in the device hardware. 1, 3, or 5-year subscription options for the software is available to meet your business needs. Speak to your Ricoh Sales Specialist for additional information and pricing details.

Base licence enables profiling of 3 printers (Quick Color Adjustment). Licence options available for additional printer(s) or unlimited number of printers.

RICOH
imagine. change.

www.ricoh.com.au

Ricoh Australia

Level 1, 2 Richardson Place
North Ryde NSW 2113

13 RICOH

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure. The images in this brochure are not real photographs and slight differences in detail might appear. Copyright © 2024 Ricoh Australia Pty Ltd. All rights reserved. This brochure, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of Ricoh Australia Pty Ltd. September 2024