



SpectraMagic™ CMS – Intelligent Computer Color Matching

Precision. Efficiency. Confidence in Every Color.



Giving Shape to Ideas

Precision. Efficiency. Confidence in Every Color.

In color-critical industries, accuracy is everything. Whether you are producing paints, coatings, plastics, cosmetics, or specialty materials, achieving the exact shade quickly and consistently is essential for quality, cost control and customer satisfaction.

Yet color adjustment remains the most unpredictable step in production. Manual correction by eye takes time, increases waste and can reduce output significantly.

SpectraMagic™ CMS eliminates that uncertainty.

By combining advanced algorithms with seamless spectrophotometer integration, Konica Minolta delivers a complete Computer Color Matching solution that increases efficiency, improves accuracy and reduces formulation costs.

Why Computer Color Matching Software is Essential for Solving Color-Related Issues

Color matching is often the only variable in an otherwise controlled production process. While batching and packaging can be calculated precisely, color correction introduces risk, delay and additional cost.

With Computer Color Matching software, you can:

- Reduce trial and error in the laboratory
- Minimize pigment waste
- Improve batch-to-batch consistency
- Accelerate production cycles
- Increase overall plant productivity
- Maintain a strong competitive advantage

SpectraMagic™ CMS supports your color experts, making their work faster and more reliable while maintaining the essential role of visual evaluation.

Our Solution: SpectraMagic™ CMS by Konica Minolta

SpectraMagic™ CMS integrates formulation and batch correction into a single powerful software platform.

Designed for plastics, paints and coatings, and other color-critical industries, SpectraMagic™ CMS delivers:

- Precise and reliable color matching for opaque, translucent and transparent samples
- Simultaneous calculation of color and opacity
- Accurate pigment content control to prevent overpigmentation
- Inclusion of the binder's intrinsic color for improved formulation precision
- Fast recipe generation, even for dark or highly saturated colors
- Continuous system learning through production sample feedback

The software seamlessly integrates with Konica Minolta's portable and benchtop spectrophotometers, ensuring smooth data transfer and maximum measurement accuracy.

Whether calculating a new formulation, correcting a batch with Delta E deviations, or identifying the closest existing color match, SpectraMagic™ CMS supports both automatic and manual workflows to fit every laboratory or production environment.



*Improve Productivity.
Reduce Costs.
Achieve Perfect Color.*

Key Advantages

Powerful Algorithm

- Powerful algorithm for opaque, translucent and transparent color matching
- Local Delta E function for enhanced precision in challenging matches
- Intelligent batch correction based on real pigment performance data
- Continuous improvement through learning from laboratory and production samples

Konica Minolta Hardware Integration

- Seamless integration with Konica Minolta portable and benchtop spectrophotometers
- Reliable and consistent measurement data transfer
- Data migration from legacy software to SpectraMagic™ CMS

User-Friendly GUI

- Intuitive and flexible interface
- Convenient template function for simplified workflows
- Automatic and manual operation modes
- Easy export options

Total Support

- Dedicated Color Help Desk with industry experts
- Support for laboratory and production-related formulation challenges
- Decades of color application experience
- Practical, industry-specific expertise

Top Features



Simultaneous calculation of color and opacity



Convenient additional binder calibration



Flexible and adaptive software



Formulation possible on different substrates



Inclusion of the binder's intrinsic color in formulation



Reduced formulation costs



Improve the match result by adding laboratory and production samples



Easily exclude restricted pigment combinations



Convenient template function



Simple export options

Designed for Your Industry

SpectraMagic™ CMS is ideal for:

- Plastics manufacturing
- Paints and coatings
- Masterbatch and Compounds
- Ink applications
- Specialty materials e.g. ceramics, dental...

With SpectraMagic™ CMS, Konica Minolta combines:

- Advanced algorithm intelligence
- Seamless hardware integration
- Comprehensive application support
- A powerful yet intuitive user interface

Its flexible and adaptive software architecture ensures reliable results across diverse substrates and binders.

Technical Specifications

Available Spectrophotometers	CM-3700A Plus/CM-3700A-U Plus, CM-3700A/CM-3700A-U, CM-36dG/CM-36d/CM-36dGV, CM-5, CM-17d/CM-16d, CM-26dG/CM-26d/CM-25d, CM-700d, CM-600d, CM-3600A
Operating system	Windows® 11 Pro
Processor	Intel® Core™ i5 processor, 2.7 GHz or higher (recommended)
Ports	USB port for instruments with USB connection cable
Memory	8 GB or more (16 GB or more recommended)
Storage	At least 20 GB of available disk space
Display	Recommended resolution: 1920 x 1080 or higher

Color Help Desk: Our team, your contact

Konica Minolta Sensing supports you in color formulation by making your job easier and helping you expand your expertise. As our experience over the past decades has shown, our support concept has become a success and is still unique in the market.

We are convinced that application technology cannot be separated from color formulation. That's exactly why our support team supports you with your laboratory or production-related questions.

The team is made up of experts from various industries who understand your language through their practical experience. The experience we have gained with you over the years has expanded our knowledge, which in turn has a positive effect on you as a customer. Our Color Help Desk will be happy to help you.

<https://sensing.konicaminolta.asia/contact-us>

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Addresses and telephone numbers are subject to change without notice.

For the latest contact information, please refer to the KONICA MINOLTA Worldwide Offices web page: www.konicaminolta.com/instruments/network