

# Color Management Suite

## CMS Professional



Integrates with PERSOLINE and CARDLINE VERSA Color Plus

Superior Color Accuracy  
Complete System Solution



### CMS Professional – Your Solution for Consistent Color

Color accuracy and consistency are vital components of brand integrity – commercial card production and personalization systems must maintain those standards. Now there is a professional color management solution available directly from Atlantic Zeiser that seamlessly integrates with the CARDLINE VERSA Color Plus and PERSOLINE personalized-card printing systems, delivering accurate, consistent color output on a wide range of plastic card types.

The CMS Professional from Atlantic Zeiser enables users to calibrate the CARDLINE VERSA Color Plus and PERSOLINE drop-on-demand (DoD) printing modules to optimize quality and ensure superior color consistency on different types of cards used in commercial and ID applications. In combination with these systems, the CMS Professional is a complete professional-level solution that enables card manufacturers and personalization bureaus to faithfully reproduce a wide range of corporate colors and graphical elements – a capability that is critical in commercial card production.

#### CMS Professional features and benefits

- Perfect color accuracy
- Fully automated workflow
- Unattended measurement and data analysis
- Ease of use
- Excellent long-term stability
- Built-in self-calibration
- Optimized for plastic card applications

CMS Professional comes with everything needed to reproduce high-quality, consistent color day after day:

- Konica Minolta ColorScout A+ automatic measurement table
- FD-7 Spectrodensitometer
- Catch Print Pro measurement and data analysis software
- Color profiling charts
- Step-by-step guidelines

To ensure that card production flows smoothly and efficiently, Atlantic Zeiser color specialists have developed a complete set of color profiling charts, as well as helpful calibration workflow guides that are perfectly aligned with the CARDLINE VERSA Color Plus and PERSOLINE DoD printing processes. The complete CMS Professional eliminates the need to perform time-consuming custom calibration setups and develop unique workflows on your own – and is only available from Atlantic Zeiser.

CARDLINE VERSA Color Plus is a true all-in-one solution for high-quality, full-color card products that lets card manufacturers and personalizers streamline short-run work, while boosting creativity and impact with full color, UV coatings and other effects.

PERSOLINE is a modular premium solution for color ID and commercial cards that offers significantly lower costs for consumables in personalization and full-face edge-to-edge card printing applications.

The CMS Professional color charts used to calibrate the printer fit perfectly on CR80-sized cards. The system also comes with complete user instructions and training classes are available.

Atlantic Zeiser specializes in integrated system solutions for the processing of financial cards, ID-cards, passports and commercial cards.

CMS Professional is part of the company's portfolio of products for high-quality, cost-efficient card printing and personalization.

Technical Specifications	CMS Professional
Number of Cards Required for Calibration	Min. 40 ID-1/CR80-sized cards
Maximum Sample Thickness	1.0 mm (40 mil)
Measurement Light Source	LED
Measurement Short-term Repeatability of FD-7	Density: $\sigma$ 0.01D Without polarization filter: 0.0D ~2.5D, Yellow: 0.0D ~2.0D With polarization filter: 0.0D ~2.5D, Yellow: 0.0D ~1.8D (when measurements taken 30 times at 10-seconds intervals after white calibration has been performed) Colorimetric: Within $\sigma\Delta E_{00}$ 0.05 (without polarization filter) (when white plate is measured 30 times at 10-second intervals after white calibration has been performed)
Measurement Time	Approx. 2 h
Measurement Area (maximum chart size) W x D	460 x 320 mm / 18.1 x 12.6 inches
Operating Temperature/Humidity Range	10 – 35 °C, relative humidity 30 – 85% with no condensation
Power Supply	100 – 240 V, 50 Hz or 60 Hz
Dimensions W x D x H	700 x 500 x 160 mm / 27.6 x 19.7 x 6.3 inches
Weight	Approx. 16 kg
Minimum Computing Requirements	Windows 7 (32- and 64-bit), min. 4GB RAM, min. 2GB free hard disk space, graphic card with at least 1280x1024 pixels and 24-bit color depth, USB port to connect FD-7 spectrophotometer
Software Features	Measure test charts, generate ICC profiles, view 3D-gamut, control proofs (ISO 12647-7), customized QC, autoimprove measurement data, iterative profile optimization, optimized spot color output

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