KONICA MINOLTA

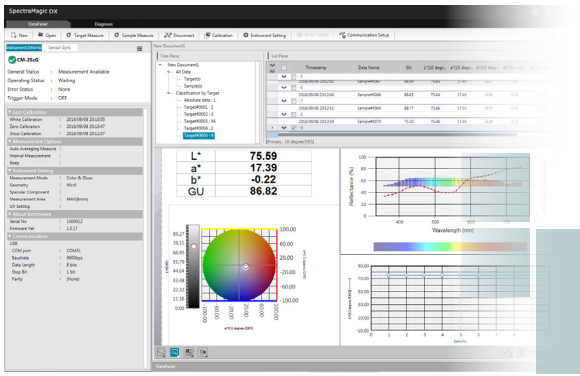
NEW **Color Data Software**

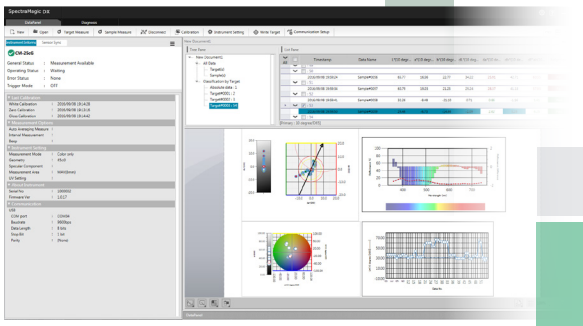
# SpectraMagic DX

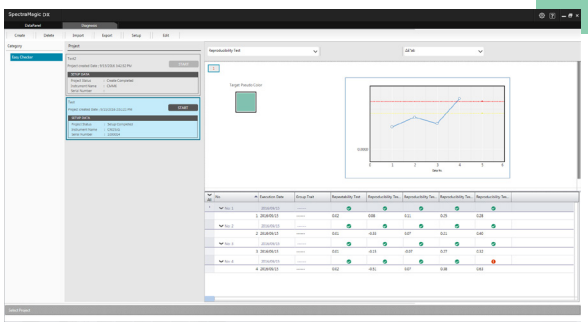
(Version. 1.0)

**Professional Edition** 1
**Lite Edition**

# New QC software with a new Instrument Diagnosis function!





**Compatible instruments:**
Spectrophotometer CM-25cG
Spectrophotometer CM-M6
Spectrophotometer CM-2500c
Spectrophotometer CM-700d/600d
Spectrophotometer CM-2600d/CM-2500d/ CM-2300d
Spectrophotometer CM-3700A/CM-3700A-U/CM-3700d
Spectrophotometer CM-3600A/CM-3610A
Spectrophotometer CM-5
Spectrophotometer CR-5

**Instrument Diagnosis function:**
**(Spectrophotometer CM-25cG, CM-M6, CM-700d/600d, CM-2600d/CM-2500d/ CM-2300d, CM-2500c, CM-3700A/ CM-3700A-U/CM-3700d, CM-3600A/CM-3610A, CM-5, CR-5)**

A new function to help ensure continued high instrument performance such as repeatability, reproducibility, or lamp output by measuring your color tiles etc.

The Standard in Measuring Color & Light

Giving Shape to Ideas

| Minimum Computing Requirements | |
|---|---|
| **OS** | Windows® 7 Pro 32-bit, 64-bit, Windows® 8.1 Pro 32-bit, 64-bit, Windows® 10 Pro 32-bit, 64-bit |
| **CPU** | Intel® Core i5 2.7GHz or higher (recommended) |
| **Memory** | At least 2 GB (4 GB or more recommended) |
| **Hard disk** | 20 GB of available hard disk space<br>At least 10 GB of available disk space is required on the system drive (drive where the OS is installed) for database. |
| **Display** | Display hardware capable of displaying 1,280 x 768 pixels/16-bit color or better |
| **Other** | Two USB ports required for protection key if used. Not necessary for electronic license.<br>USB or serial port required for connection to instrument. |
| **Compatible Instruments** | |
| **Models** | CM-25cG, CM-2500c, CM-M6 |
| **Features** | |
| **Color space** | L*a*b*, L*C*h, $Lab_{99}$, $LCh_{99}$, XYZ, Hunter Lab, Yxy, L*u'v', L*u*v*, and their color differences. Munsell C, Munsell D65 |
| **Index** | MI, Color assessment, Gloss (CM-25cG), FF (CM-M6), WI (CIE 1982), Tint (CIE 1982), WI (ASTM E313-73), WI (Hunter), YI (ASTM E313-73), YI (ASTM D1925), WI (ASTM E313-98, Berger, Taube, Stensby, Ganz), YI (ASTM E313-98,DIN 6167), WB (ASTM E313-73), Tint (ASTM E313-98,Ganz), Opacity (ISO 2471, TAPPI T425 89% White Plate), Haze (ASTM D1003-97), and their differences, user equation, Standard Depth(ISO 105.A06), Brightness (TAPPI T452, ISO 2470), Density(Status A,Status T), Dominant Wavelength, Excitation Purity, RXRYRZ555, Strength(Tristimulus XYZ, Pseudo tristimulus XYZ), Staining degree (ISO 105.A04E), Staining degree rating (ISO 105.A04E), NC#, NC# Grade, Ns, Ns Grade, Grey Scale (ISO105.A05), Grey Scale Rating (ISO 105.A05), K/S strength (Apparent (ΔE*ab, ΔL*, ΔC*, ΔH*, Δ a*, Δb*), Maximum absorption, total wavelength, user wavelength)<br>Note on Haze (ASTM D1003-97):<br>With some instrument types, the illumination/observation system may not satisfy the definition of Haze (ASTM D1003-97). However, this presents no problem as long as the value is used as a relative value. |
| **Color difference formula** | $\Delta E^*_{ab}$ (CIE 1976), $\Delta E^*_{94}$ (CIE 1994) and each component of lightness, saturation and hue, $E_{00}$ (CIE DE2000) and each component of lightness, saturation and hue, $\Delta E_{99}$ (DIN 99), ΔE(Hunter), CMC (l:c) and each component of lightness, saturation and hue, FMC-2, NBS 100, NBS 200, ΔEc (degree) (DIN 6175-2), ΔEp (degree) (DIN 6175-2) |
| **Observer** | 2° or 10° Standard Observer |
| **Illuminants** | A, C, $D_{50}$, $D_{55}$, $D_{65}$, $D_{75}$, $F_2$, $F_6$, $F_7$, $F_8$, $F_{10}$, $F_{11}$, $F_{12}$, $U_{50}$, $ID_{50}$, $ID_{65}$ |
| **Graph display** | Spectral graph (reflectance, transmittance, K/S, Absorbance and its differences), L*a*b* absolute value, ΔL*a*b* (color difference, MI), Hunter Lab absolute value, Hunter Δlab (color difference), Trend chart of each color space and color difference formula value, Pseudo color display |
| **Instrument control** | Measurement/calibration:<br>Automatic averaging measurement: 2 to 30 measurements<br>Manual averaging measurements: User-determined number of times<br>(The standard deviation and average for the color space selected for measurement are displayed.)<br>Remote measurement<br>List display/reading of sample/target data stored in instrument memory<br>Writing of target data to instrument memory |
| **Instrument diagnosis** | Applicable instruments:CM-25cG, CM-M6 |
| | Checked characteristics : Repeatability, reproducibility, lamp output(CM-25cG) |
| **Target data** | Target data can be registered. Main target and working targets under main targets can be used.<br>Manual input of colorimetric or spectral target data possible. |
| **Data list** | Listing of target data and sample data<br>Editing (delete, sort, average, copy & paste)<br>Display of pass/fail ratio, Visual judgement result input function, Additional data information inputting/listing function |
| **External I/O** | Importing/exporting of data file (s) in original formats (Extension: mesx). |
| | Importing/exporting of template file (s) in original formats (Extension: mtpx). |
| | Importing of SpectraMagic NX data files (Extension: mes).<br>Importing of SpectraMagic NX template files (Extension: mtp). |
| | Importing/exporting of data in text format.<br>Saving of data in XML format.<br>Exporting of data in Excel or PDF format.<br>Copying of lists to clipboard. |
| **Displayed Languages** | (Selectable after installation) English, Japanese, German, French, Spanish, Italian, Portuguese, Turkish, Russian, Polish, Simplified Chinese, and Traditional Chinese |
| **Help** | Manual, "Precise Color Commnunication" Tutorial |
| **Other** | |
| **Screen display** | Number of files that can be opened simultaneously: 10<br>Number of data that can be stored in a file: 10,000<br>Instrument detailed status window. |

: Available on Professional Edition only

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- Displays shown are for illustration purpose only.
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**SAFETY PRECAUTIONS**

For correct use and for your safety, be sure to read the instruction manual before using the product.

Certificate No : LRQ 0960094/A
Registration Date : March 3, 1995

Certificate No : JQA-E-80027
Registration Date : March 12, 1997


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| **KONICA MINOLTA, INC.** | Osaka, Japan | | | |
| **Konica Minolta Sensing Americas, Inc.** | New Jersey, U.S.A. | **Phone :** 888-473-2656 (in USA), 201-236-4300 (outside USA) | **Fax :** 201-785-2482 | |
| **Konica Minolta Sensing Europe B.V.** | European Headquarter /BENELUX | Nieuwegein, Netherlands | **Phone :** +31(0)30 248-1193 | **Fax :** +31(0)30 248-1280 |
| | German Office | München, Germany | **Phone :** +49(0)89 4357 156 0 | **Fax :** +49(0)89 4357 156 99 |
| | French Office | Roissy CDG, France | **Phone :** +33(0)1 80 11 10 70 | **Fax :** +33(0)1 80 11 10 82 |
| | UK Office | Warrington, United Kingdom | **Phone :** +44(0)1925 467300 | **Fax :** +44(0)1925 711143 |
| | Italian Office | Cinisello Balsamo, Italy | **Phone :** +39 02849488.00 | **Fax :** +39 02849488.30 |
| | Swiss Office | Dietikon, Switzerland | **Phone :** +41(0)43 322-9800 | **Fax :** +41(0)43 322-9809 |
| | Nordic Office | Västra Frölunda, Sweden | **Phone :** +46(0)31 7099464 | |
| | Polish Office | Wroclaw, Poland | **Phone :** +48(0)71 73452-11 | **Fax :** +48 (0)71 734 52 10 |
| **Konica Minolta (CHINA) Investment Ltd.** | SE Sales Division | Shanghai, China | **Phone :** +86-(0)21-5489 0202 | **Fax :** +86-(0)21-5489 0005 |
| | Beijing Office | Beijing, China | **Phone :** +86-(0)10-8522 1551 | **Fax :** +86-(0)10-8522 1241 |
| | Guangzhou Office | Guangdong, China | **Phone :** +86-(0)20-3826 4220 | **Fax :** +86-(0)20-3826 4223 |
| | Chongqing Office | Chongqing, China | **Phone :** +86-(0)23-6773 4988 | **Fax :** +86-(0)23-6773 4799 |
| | Qingdao Office | Shandong, China | **Phone :** +86-(0)532-8079 1871 | **Fax :** +86-(0)532-8079 1873 |
| | Wuhan Office | Hubei, China | **Phone :** +86-(0)27-8544 9942 | **Fax :** +86-(0)27-8544 9991 |
| **Konica Minolta Sensing Singapore Pte Ltd.** | | Singapore | **Phone :** +65 6563-5533 | **Fax :** +65 6560-9721 |
| **Konica Minolta Sensing Korea Co., Ltd.** | | Goyang-si, Korea | **Phone :** +82(0)2-523-9726 | **Fax :** +82(0)31-995-6511 |

Addresses and telephone/fax numbers are subject to change without notice. For the latest contact information, please refer to the KONICA MINOLTA Worldwide Offices web page :

**http://konicaminolta.com/instruments/network**




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