



KONICA MINOLTA

## Press Release

# TWO NEW INSTRUMENTS FOR THE AUTOMOTIVE INDUSTRY: CM-25cG and CM-M6

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Introducing two new handheld instruments for the automotive industry, providing improved accuracy for measuring interiors and exteriors: A two-in-one spectrophotometer that simultaneously measures color and gloss for interior measurements, and a multi-angle spectrophotometer for measuring metallic and pearlescent paints.

Konica Minolta, Inc. (Headquarters: Chiyoda-ku, Tokyo; President: Shoei Yamana; hereinafter, „Konica Minolta“) will introduce two new models specifically designed for automotive interior and exterior measurements:

The Spectrophotometer CM-25cG, a spectrophotometer with specialized features for measuring interiors, and the Spectrophotometer CM-M6, a multi-angle spectrophotometer for measuring automobile exterior finishes.

Konica Minolta will exhibit these two instruments at K 2016, the international trade fair for plastics and rubber where the latest technology and products from around the world will be seen, from October 19<sup>th</sup> to 26<sup>th</sup> in Dusseldorf, Germany.

Konica Minolta, through its medium-term plan TRANSFORM 2016, is working to transform itself into a more customer-oriented company that assists in solving challenges faced by customers. The Sensing Business Unit, a top manufacturer of instruments for measuring object color and light-source color, offers high-quality instruments and solutions to customers throughout the world to support manufacturing from R&D to production. The two new instruments were developed in close collaboration with leading car manufacturers to find solutions to meet their challenges in production and rigorous quality control throughout the supply chain. By introducing these highly-reliable instruments, customers will gain from increased productivity and thus cost reductions.



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## Spectrophotometer CM-25cG

A compact handheld spectrophotometer with 45°c:0° geometry and a true high performance 60° gloss sensor for simultaneous color and gloss measurements of automotive interior trims and materials with a number of “world first” features.

Being fully compatible with its predecessor model, the CM-25cG's perfect circular optical system achieves highest accuracy and repeatability levels, especially on textured or structured surfaces, regardless of measurement direction. As a world first, the CM-25cG offers simultaneous colour and gloss measurements with changeable apertures for either 8 mm (MAV) or spot size 3 mm (SAV) and a measuring time of less than 1 second.

The CM-25cG is lightweight and offers a large and easy-to-read FTP colour display to read and manage measurement data either numerically or graphically. For perfect sample positioning, the CM-25cG is the first instrument to offer a true optical sample viewer in a 45°:0° geometry instrument.

The CM-25cG is by default a close tolerance (CT) instruments and thus, Konica Minolta proves once more its unequalled knowledge and ability in optical precision technology. Highest Inter-Instrument-Agreement (IIA) levels of just  $\Delta E^*_{ab}$  0.15 (Average on 12 BCRA tiles) within the CM-25cG, and the same for Inter-Model-Agreement (IMA) to the predecessor model series mark an unprecedented level of performance and accuracy.





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## Multi-Angle Spectrophotometer CM-M6

A new compact handheld multi-angle instrument especially designed for fast but accurate measurement of all exterior car parts on the production line. The optical design and the 6 mm measuring area allows measurements of curved surfaces with unparalleled ease of use and accuracy.

The CM-M6 is a portable multi-angle spectrophotometer especially designed for colour measurement of metallic and effect paints and plastics. It uses a new, patented double-path illumination system with directed 45° illumination and 6-angle observation (-15°/15°/25°/45°/75°/110° aspecular) from two sides. This results in accurate and stable results even on curved surfaces with a R=300 radius. Respectively, car parts such as front and rear bumpers, vehicle mirror bodies or door-handles on the production line can be measured rapidly, accurately and repeatably. Its compact and lightweight vertical shape is easy to hold in one or two hands and enables easy positioning, while the high-resolution back-lit colour display is easy to read even under low ambient lighting conditions. The solid state and rugged construction as well as the sleek and lightweight body make the CM-M6 the perfect instrument to measure critical parts, that would otherwise be impossible with conventional multi-angle instruments.





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**About Konica Minolta Sensing Europe B.V.:**

Konica Minolta Sensing Europe B.V., part of Konica Minolta Inc. Japan, is a leading provider of measurement solutions for applications in the fields of Colour & Appearance and Light Measurements. Konica Minolta Sensing Europe serves the industry in more than 30 countries in the EMEA region with Branches and qualified Distributors. Derived from our state-of-the-art optical and image processing technologies, measuring solutions from Konica Minolta Sensing help improve quality control and support R&D in a wide variety of industries. Our colour management solutions are essential to control and monitor quality in many areas of manufacturing, such as automotive, coatings, plastic, construction materials, food, chemicals and pharmaceuticals. In the area of Light & Display measurement technology, Konica Minolta Colour Analysers enjoy an “industry standard” position. Konica Minolta Sensing Business unit will continue to innovate, utilizing the latest high-accuracy sensing technology, providing solutions that meet the ever-changing needs in diverse fields.

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For further information about the company, visit [www.konicaminolta.eu/measuring-instruments.html](http://www.konicaminolta.eu/measuring-instruments.html)

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