



Pre-registration is required

Registration form: https://e-ve.event-form.jp/event/87865/expo2024yokohama_global



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Solution

Aachine

Ision

2024

Special 3 days for your vision solutions

2024 December 4 - 6 (Wed) (Fri) 10:00 am - 5:00 pm *Last entry: 4:00 pm

Shintoshi Hall

Yokohama Shintoshi Building (Sogo Yokohama) 9th floor 2-18-1, Takashima, Nishi-ku, Yokohama, Kanagawa, 220-0011, Japan

- 5 minutes walk from Yokohama Station (JR Line, Keikyu Line, Tokyu Toyoko Line, Yokohama Municipal Subway, Minatomirai Line)
- 20 minutes walk from Pacifico Yokohama

Solution Exhibition

More than 40 solutions related to inspections and measurements will be showcased!

Partner Companies Exhibition

Our partner companies will exhibit their machine vision solutions.

LIGHTING SOLUTION CCS Inc.





CCS Inc.

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Just a short walk from Yokohama Station (East Exit)



Image Processing Seminar

We will host seminars on image processing technology.

* Seminars will be conducted in Japanese.

Please see the inside page for details of the exhibits.



Solution

Exhibition

We offer various solutions to make it visible.



► High-capacity and fast light switching NEW lighting controller CCS-CB-MT Series

reflection

Capture

s on the

the

unevennes

surface of

complex-

shaped

workpiece

Imaging example: handle part

We will showcase a lighting controller with four channels totaling 1200W for controlling multiple high-power line lights and for inspecting with high-speed lighting switching. This controller can be installed in a multi-scan system that can simultaneously acquire images captured with multiple lights.

NEW

inspection of cylindrical workpieces and tunnel dome lights that can

optimize the irradiation light according to the workpiece size.

We will introduce line lights suitable for surface inspection of

asperate metals. Our optical technology has realized both high

illumination and uniformity at an irradiation distance of 50 to 100

High illuminance line light

mm.

NEW

NEW

New products and solutions will be on display!

High Resolution and High Speed Inspection Area

Line scan camera + photometric stereo High-speed image processing with FPGA

Combining FPGA processing using Visual Applets has realized faster visual inspection for detecting wrinkles and flaws by removing patterns and halation on the workpiece surface. Image processing is performed in real time with twice the number of pixels and 10 times the scan rate compared to conventional systems.

Ultra high-speed area camera imaging

Introduction of a high-speed imaging solution that combines power flash LED and a high frame rate camera. We offer a total inspection environment for high-speed lines that is less susceptible to up-and-down movement and vibration.

Imaging solutions to capture slight scratches, inclinations,

- Pupil-dividing polarization and birefringence pupil interferometer systems
 - Using our unique optical technology suitable for
 - machine vision, we can visualize nano-order

Collimated light lens-integrated parallelism variable coaxial light

Integration of a telecentric lens with a variable light eliminates the need for optical axis adjustment with the camera and allows adjustment of detection levels for defects of

Imaging technology for transparent objects by screen projection

By combining a high-output LED light source and a low-magnification lens to irradiate light with extremely high directivity, imaging of irregularities and veins on transparent objects that are difficult to visualize can be achieved.

Surface-mount LED ring light

Achieves 2 to 3 times brighter than conventional bullet-type LED ring lights. Exhibits thin ring lights that take advantage of surfacemount LEDs and multi-stage ring lights designed for the inspection field of view of small workpieces.field of view of small workpieces.

High power & flexible light distribution LED light

EFFI-FLEX2 series allows to set optimum irradiation light for various conditions by changing the lens position and diffusion plate.

The versatile bar type LED lights can be used up to 2,900 mm in length. Visible, ultraviolet, and infrared light are also available. Thanks to the builtin driver, no controller is required, which saves cost and space.



NEW

*Exhibit details are subject to change. Please contact our sales representatives for availability in each region