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### **MORITEX Announces Sales Launch of Bi - Telecentric Lens "MTL Series"**

**MORITEX Corporation (head office: Asaka City, Saitama, Japan president: Takao Sato), a manufacturer of machine vision systems and image-related equipment, has announced the market introduction of its Bi - Telecentric Lens "MTL Series." The sales launch is scheduled for December 2, 2015.**

MORITEX markets machine vision systems that combine various optical components, including light source devices, optical fiber light guides, machine micro lenses (MML), CCTV lenses, LED lighting devices, and CCD cameras, for image processing applications. These machine vision systems are used for image processing in various industrial applications, including semiconductor manufacturing, liquid crystal display manufacturing, electronic parts mounting, factory line monitoring, and other production activities.

The MORITEX Bi - Telecentric Lens "MTL Series" marks a newly developed lens achieved with technology accumulated in the manufacture of object-side telecentric lenses and numerous other optical products.

Using the latest in optical design, the lens features high resolution from the center to the peripheral field of view as well as depth of field while distortion has been suppressed to a minimum. The lens is suited for all applications where work pieces and measurements require high precision.

Moreover, the lens has been designed to deliver even brightness across the center and the fringes of the field of view, with a simultaneously developed specialized Telecentric Backlight "MTI Series" irradiating parallel light waves also on the output side. By combining the two devices, an optimal measuring environment is achieved.

Relevant markets include inspection and assembly of smartphones, as well as inspection, assembly, and processes surrounding automotive engine parts, exhaust, exteriors, foodstuff, and medicine bottles

and tablets, to name but a few of the numerous fields where this lens is expected to be useful.

MORITEX will expand the MTL Series to a full line-up comprised of altogether 33 models with six fields of view ranging from 100 mm to 265 mm compatible with all sensor sizes as well as six "MTI Series" backlight models.

As a leading company in the field of machine vision systems combining lenses, lighting devices, and cameras, MORITEX will continue to provide the total solution image processing environments that address the diverse needs of users in the image processing market.

■ Special characteristics of the Bi - Telecentric Lens "MTL Series"

Applications: Exterior measurement and inspection

Examples: Inspection and measurement tasks of smartphone-related products, automotive parts, foodstuff, and pharmaceuticals, etc.

Special characteristics: Bi - telecentric lens and telecentric backlight

High resolution design: Compatible with 3.5  $\mu\text{m}$  / pixel sensor

Six fields of view: 100 mm, 135 mm, 150 mm, 180 mm, 195 mm, 265 mm

Compatible with 6 sensor sizes; 33 lens models; 6 backlight models

All inspection data attached

■ Product photo of an "MTL Series" Bi - Telecentric Lens



Note: Effects from the sales launch of this product on the financial results for the fiscal year ending September 2016 have been taken into account.

■ Contact for inquiries concerning this press release

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