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**MORITEX Announces Sales Launch of Full Bi - Telecentric Lens Lineup  
- 114 Bi - Telecentric lens models and 13 collimated backlight models -**

**MORITEX Corporation (head office: Asaka City, Saitama, Japan president: Takao Sato), a manufacturer of machine vision systems and image-related equipment, has announced the sales launch of the full lineup of the Bi - Telecentric Lens "MTL Series" which was released last year. The 25 mm to 90 mm, 120 mm, 240 mm, and 310 mm field of view models have been added for a total of 16 models. The sales launch is scheduled for December 6, 2016.**

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 new Bi - Telecentric Lens MTL Series developed by MORITEX is a new lens series made possible by technology cultivated over the course of developing telecentric lenses.

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.

New models have been added to the MTL Series lineup, including 25 mm to 90 mm, 120 mm, 240 mm, and 310 mm field of view models for a total of 16 options. A total of 114 models compatible with a total of 8 sensor sizes up to 82 mm, along with 13 MTI Series lighting models are also available.

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

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 collimated backlight

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

16 field of view models: 25 mm, 35 mm, 45 mm, 55 mm, 65 mm, 80 mm, 90 mm, 100 mm, 120 mm, 135 mm, 150 mm, 180 mm, 195 mm, 240 mm, 265 mm, 310 mm

114 lens models compatible with 8 sensor sizes and 13 lighting models

All inspection data attached

## ■ Product photo



## ■ Contact for inquiries concerning this press release

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