

Dec. 1, 2009

To all concerned parties:

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(Index Classification Code No.: Tokyo Stock Exchange First Section 7714)

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Moritex to Release SOD-20X-VI High Magnification & Resolution Telecentric Lens

Designed with a numerical aperture on par with that of a microscope objective lens with a long working distance.

Moritex Corporation (Tokyo: 7714, based in Shibuya Ward, Tokyo. Shuitsu Nishina, president and C.E.O.), a machine vision and digital imaging component & system manufacturer, has recently added the new product, SOD-20X-VI, to the lineup of its Super Optical Device (SOD)-X Series of high-powered lenses.

The SOD-X Series, while designed to have magnification and resolution on par with a microscope objective lens, is a machine vision lens with mountable body, low profile, long WD, and integrated coaxial epi-illumination function. Each model boasts high quality optics for enhancing image quality for superior high magnification alignment and high resolution inspection capabilities.

The SOD-20X-VI has been added to the SOD-X Series lineup as a multi-functional model with an optical magnification of 20x and NA of 0.35 to compete with microscope objective lenses while providing a working distance of 36.5mm.

Moritex exhibited the SOD-20X-VI, at the '09 International Technical Exhibition on Image Technology and Equipment held at the Pacifico Yokohama from December 2 to 4, and will begin selling it in February 2010.

Moritex operates in fields associated with image processing, such as semiconductor manufacturing equipment, LCD manufacturing equipment, electronic component mounting machinery, factory line supervision and production lines providing such optical components as lighting equipment, optic fiber highlight guides, machine micro lenses (MML), CCTV lenses, LED lighting and CCD cameras, as well as selling machine vision systems that are used widely within various industries.

The SOD-20X-VI that Moritex has developed exceeds the performance of its predecessor model, the SOD-10X (optical magnification of 10x, NA 0.23), and responds to increased demand for lenses with even higher resolving power within the machine vision market. Moritex has been able to do this by moving ahead with development of the optical design and manufacturing technologies it has cultivated within the company.

Since the SOD-20X-VI has a greater WD than a microscope objective lens, it is less susceptible to issues such as heat or oil emitted from subjects during processes which allows space to be reserved for oblique lighting. An additional feature of the new model is its adjustable diaphragm which allows for the fine tuning of the depth of field. Coupling this model with an optional rear converter lens, such as the SOD-1.5X or SOD-2X, provides optical magnification of 30x or 40x, enabling the imaging of fine, detailed characteristics in a manner that has not been possible until now.

Used in combination with a Moritex lighting solution such as LED or optic fiber lighting, this highly functional lens presents users with optimal image processing capabilities that they desire. users with optimal image processing abilities that they are seeking.

As a leading company in the machine vision systems incorporating lenses, lighting and cameras, Moritex offers total solutions for the image processing environments users seek to meet the varying needs of the image processing market.

■ Characteristics of the SOD-20X-VI High-Powered Telecentric Lens

Application: High- magnification alignment, high resolution exterior visual inspections

Features: Magnification 20 x NA 0.35 WD=37.5 mm

- Includes coaxial epi-illumination functions
- Includes adjustable diaphragm
- Can be used with optional lenses for observation of 30x to 40x

■ SOD-20X-VI High-Powered Telecentric Lens



■ Direct inquires about this product to:

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