

Fiberguide De-Speckler System >

The Fiberguide De-Speckler System maximizes fiber optic performance and illumination reliability with no optical loss and is suitable for fiber assemblies in a wide variety of applications



The Fiberguide De-Speckler System

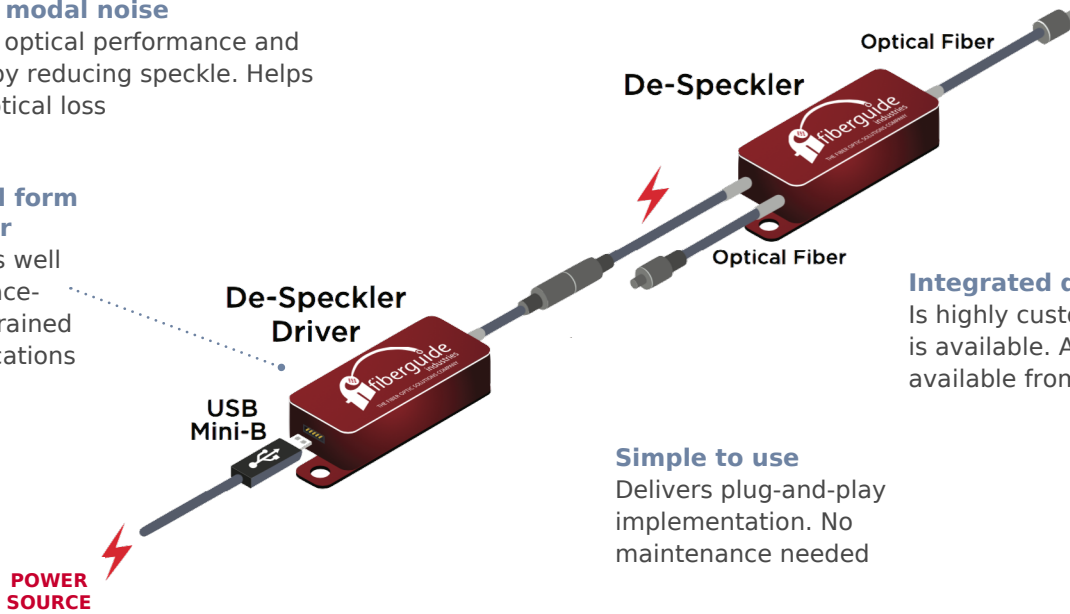
FEATURES AND ADVANTAGES

Averages modal noise

Maximizes optical performance and reliability by reducing speckle. Helps prevent optical loss

Small form factor

Works well in space-constrained applications



Integrated design

Is highly customizable. Motheye is available. All-in-one system available from one vendor

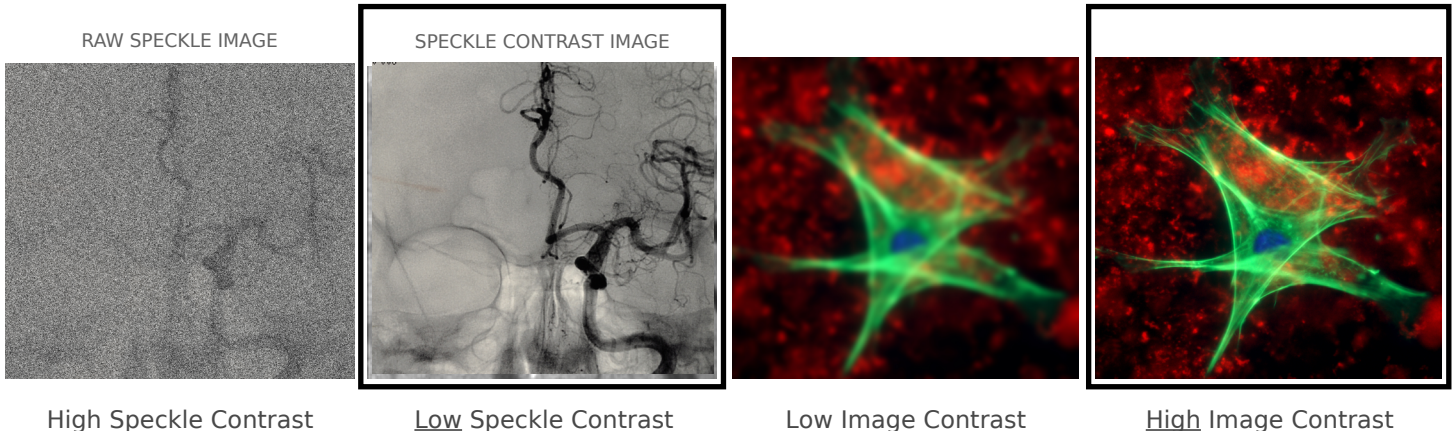
Simple to use

Delivers plug-and-play implementation. No maintenance needed

ADDITIONAL PRODUCT FEATURES

Speckle Contrast

(ACTUAL) Image Contrast



Example: Confocal Fluorescence Microscopy

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MARKETS AND APPLICATIONS

Scientific

Bioanalytical instrumentation
Flow cytometry
Gene sequencing
Fluorescence microscopy
Microscopy
Spectroscopy

Consumer

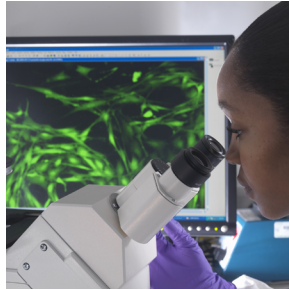
Digital laser projection
Laser beam homogenization

Industrial

Interferometry
Photolithography
Metrology

Certifications:

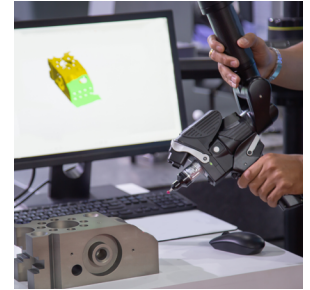
FDA Registered
ISO 9001:2015
ISO 13485:2016



Fluorescence Microscopy



Gene Sequencing Equipment



Metrology Equipment

SPECIFICATIONS

Electrical

Power Supply: +5V
Power Consumption: <1W

Fiber

Wavelength: 400 to 1550nm
Fiber Core Size: 100 to 400µm
De-speckling Rate: Up to 10,000 Hz

Physical

Jacket Types:

Acrylate
Nylon
Polyimide
Tefzel

Fiber Types:

All silica optical fiber
Plastic-clad fiber
Round or square core fiber
RARE Motheye available
Fiber Types: Single fiber assemblies

Connector Types

905 SMA
906 SMA
FC/PC
FC/UPC
FC/APC
ST/PC
ST/UPC
ST/APC
Cleaved ends
Polished ends
Round 2.5mm ferrule
Custom connectors



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