LMI TECHNOLOGIES

RED LASER

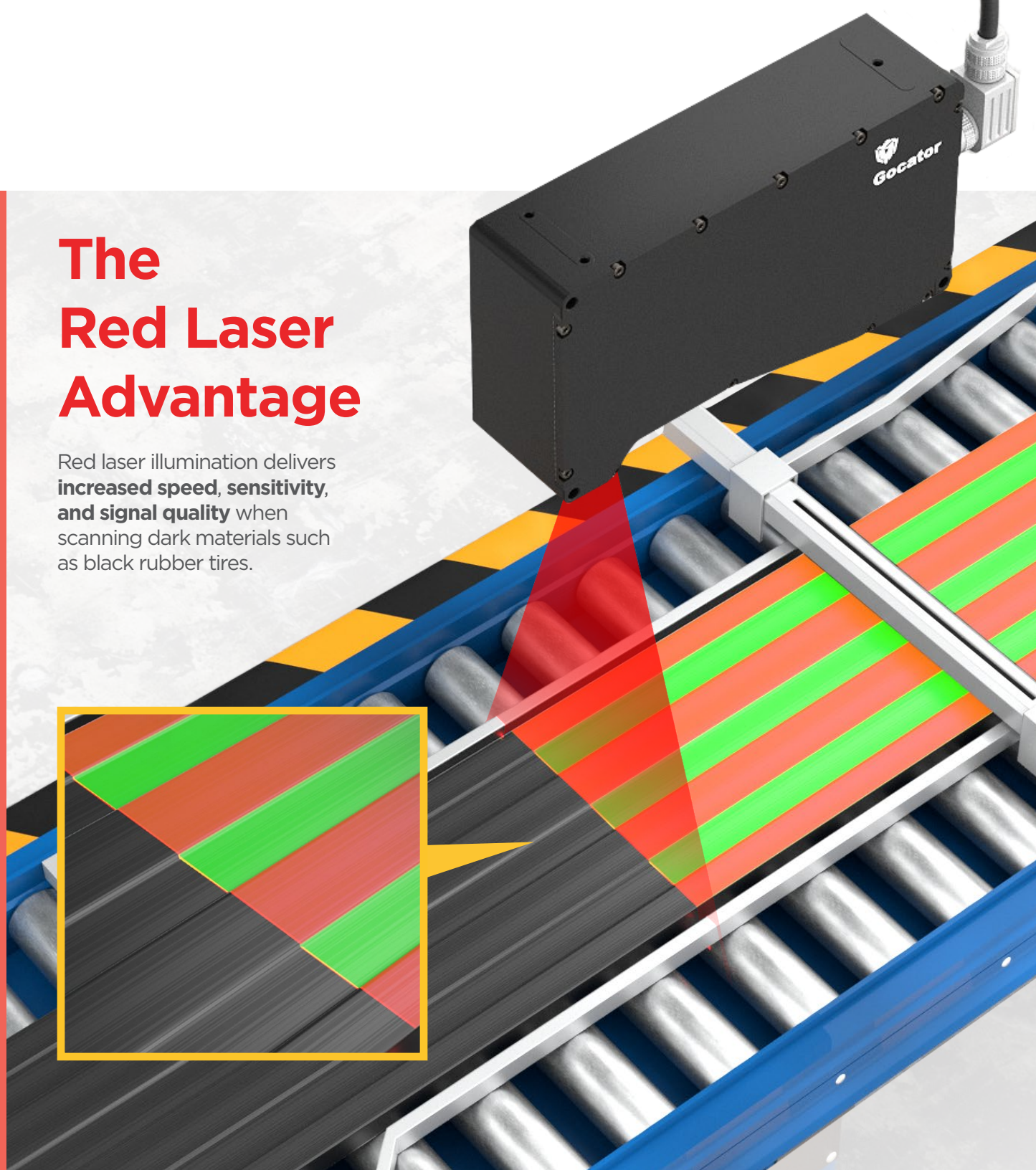
Gocator®
2540 2550

Gocator®
2629 2630 2640

*All Models above are
Now Available in **RED LASER**

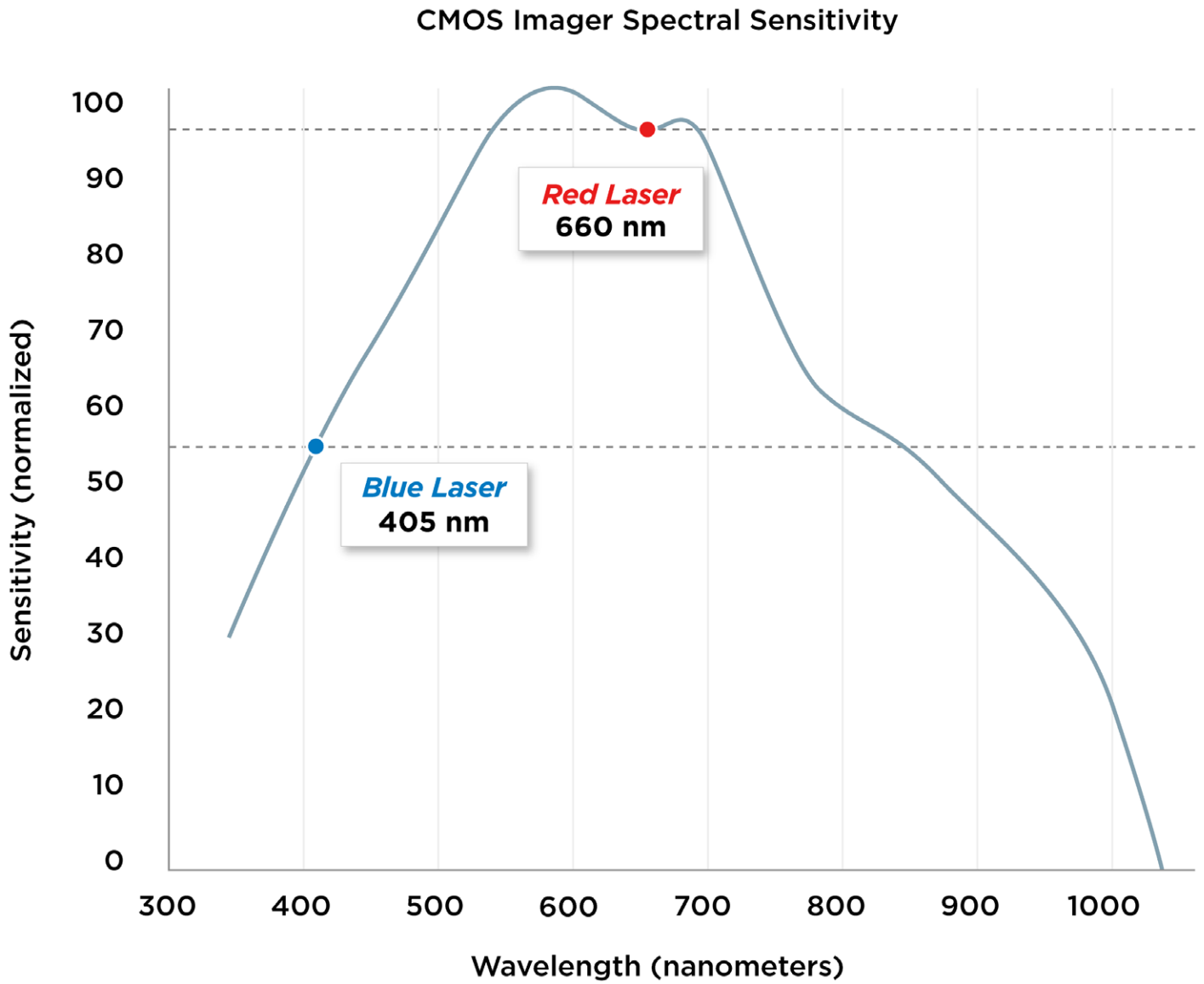
The Red Laser Advantage

Red laser illumination delivers **increased speed**, **sensitivity**, **and signal quality** when scanning dark materials such as black rubber tires.

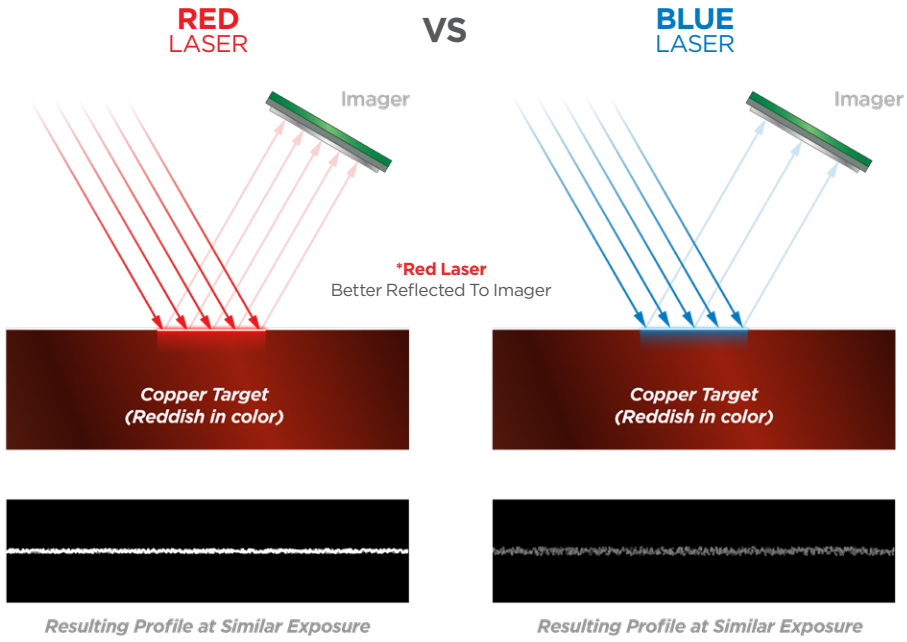


Did You Know?

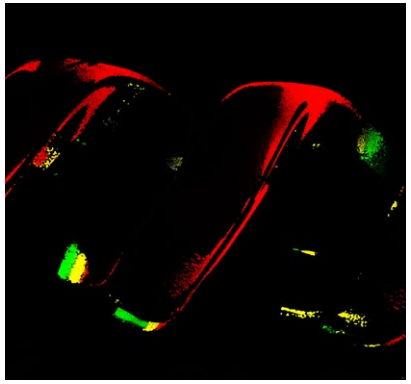
Most cameras are more sensitive to red light than blue. Using red laser light can allow you to scan with a lower camera exposure time, meaning you scan the target faster, or with a lower laser class than might be required with a blue laser.



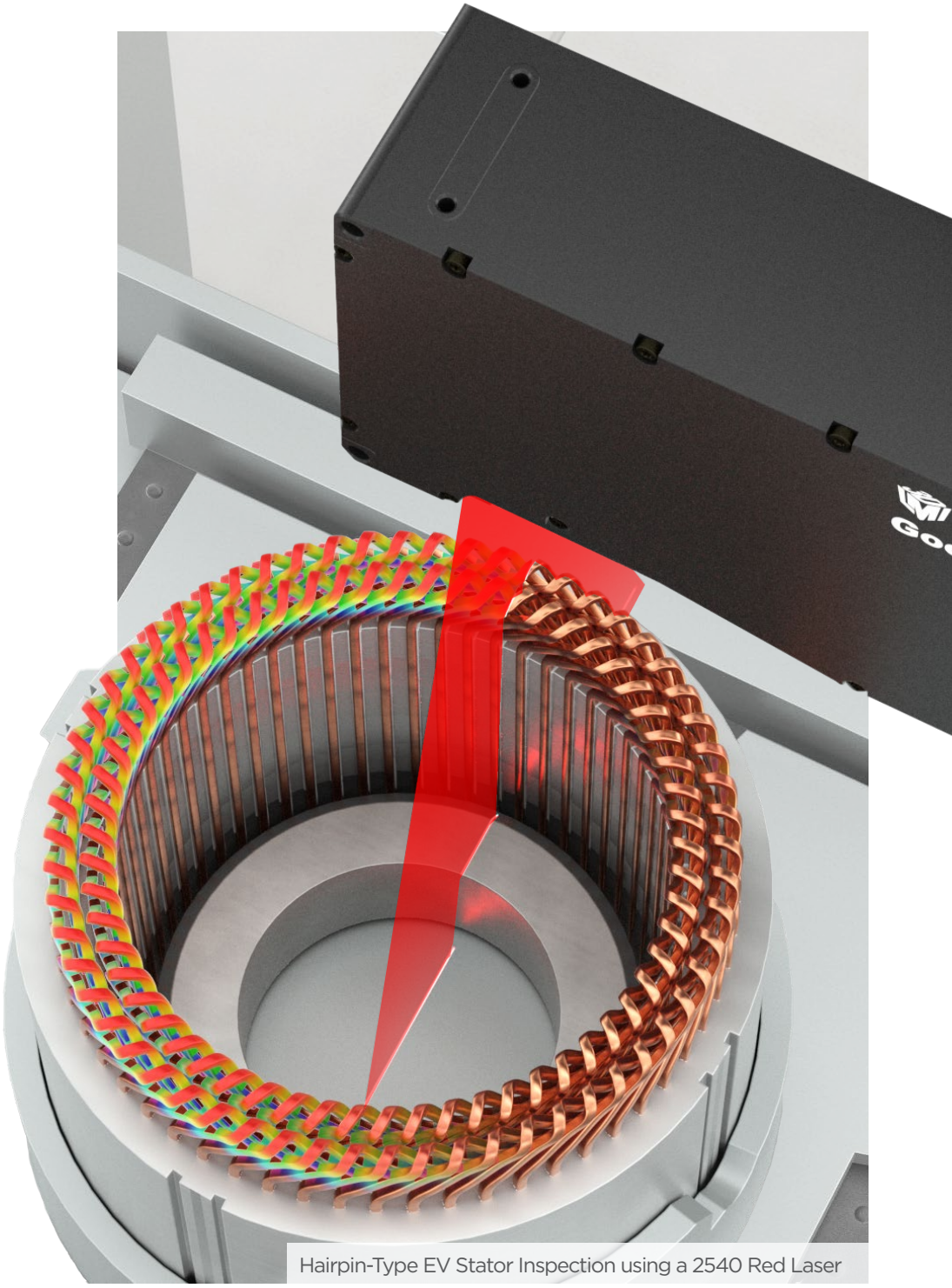
Red laser light also delivers improved light collection and higher signal quality on **reddish-colored targets** like copper automotive stators because these surfaces reflect more red light back to the imager than other colors in the spectrum (such as blue).



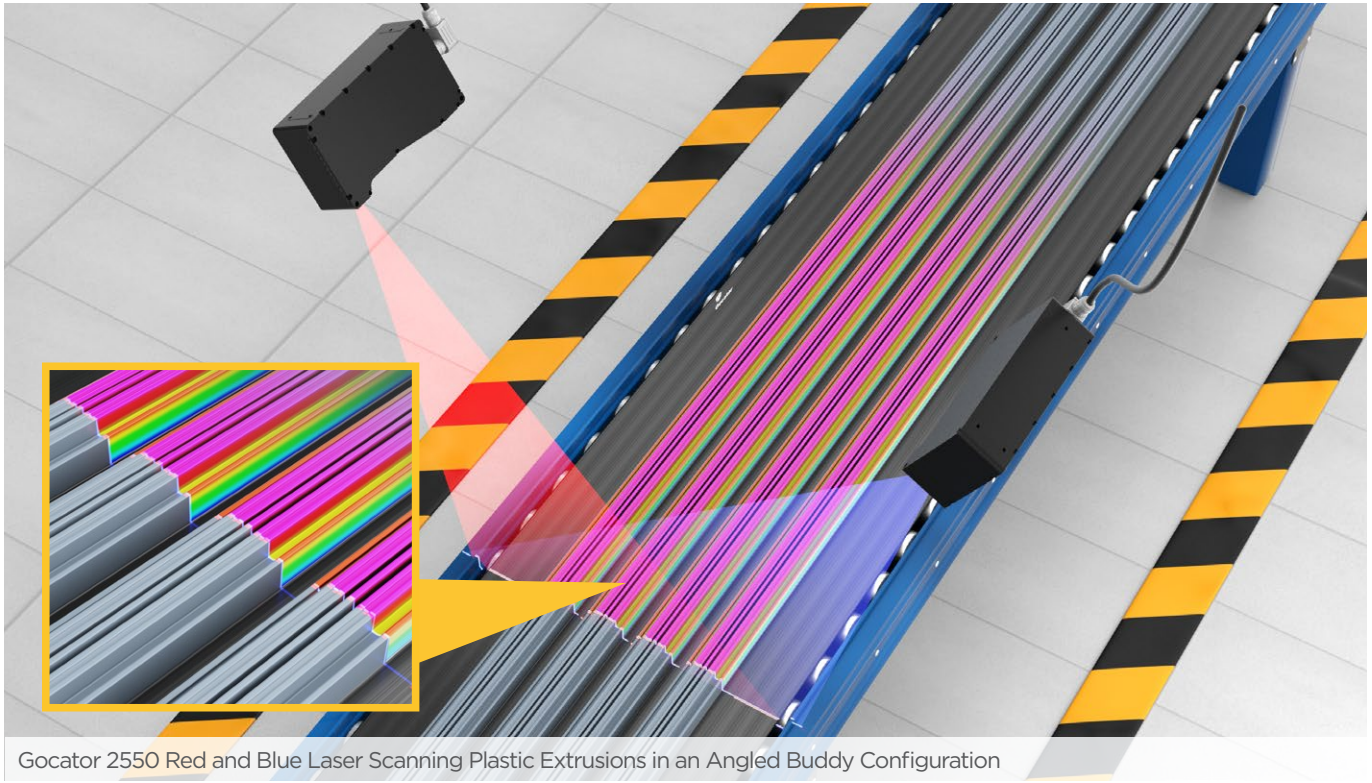
Scan data from a red laser sensor produces a more complete surface at the same exposure.



Scan data from a blue laser sensor produces significant data dropouts at the same exposure.



Hairpin-Type EV Stator Inspection using a 2540 Red Laser



Gocator 2550 Red and Blue Laser Scanning Plastic Extrusions in an Angled Buddy Configuration

Combining Red and Blue Laser Models for Increased Speed in Dual and Multi-Sensor Systems

Due to the difference in wavelength between red laser and blue laser, two sensors can be used simultaneously without the need for exposure multiplexing. By eliminating the need for staggered exposure time scanning systems are able to achieve faster scan rates and greater throughput.

Choosing Your Laser Color

Note that both red and blue laser models have unique performance advantages depending on material type. LMI offers both options to give you optimal flexibility in your inspection systems.

Write to **contact@lmi3d.com** or your LMI representative directly for more details on what laser options are best suited to your application.

AMERICAS
LMI Technologies Inc.
Burnaby, BC, Canada

EMEAR
LMI Technologies GmbH.
Teltow/Berlin, Germany

ASIA PACIFIC
LMI (Shanghai) Trading Co., Ltd.
Shanghai, China

LMI Technologies has sales offices and distributors worldwide. All contact information is listed at **lmi3D.com/contact**

FACTSHEET_Red-Laser_US-1.0