AZURE
The Azure 266 nm CW Deep-UV Laser
The reliable way to move into the UV.
Put unsurpassed expertise to work for you. In your demanding manufacturing environment, unforeseen downtime can deal a crippling blow to your productivity—and to your profitability. That’s why it’s so important to have a deep-UV laser that’s extremely reliable. A laser that integrates into your tool—quickly and easily. A laser that can actually improve the performance of your systems—and help you gain a competitive advantage.

At last, there’s a deep-UV laser that delivers all these OEM benefits—while building on a heritage of experience and innovation unparalleled in the industry.

Introducing the Azure deep-UV laser.

366:

Enabling the next generation of UV tools

The Azure™ deep-UV laser is the next step in the evolution of the Verdi™ continuous-wave (CW) green laser system. With the Azure’s outstanding reliability and cost-saving readiness, you have the one thing you want most from an industrial laser—confidence.

This robust laser delivers all the benefits of Coherent’s unrivaled UV and diode-pumped solid-state (DPSS) expertise. The Azure is based on a mature, proven technology—the highly successful Verdi green laser. Equally important, it was developed through detailed research and manufacturing experience in UV nonlinear optical materials, coatings, and lasers. The result: a dependable, feature-rich, deep-UV laser that you can integrate into your manufacturing environment with ease.

The Azure incorporates years of resonant frequency doubling of single-frequency CW lasers, including Verdi. And it delivers all the quality, efficiency, and longevity you expect from Coherent, the leading supplier of deep-UV and solid-state lasers to the OEM market.

Empower your product line.

If you’re looking to enable the next generation of inspection along the semiconductor industry roadmap, the Azure deep-UV laser delivers. It emits a wavelength of 266 nm, which allows detection of smaller defects that longer wavelengths miss. This results in higher wafer yield and better mask utilization—while saving time in the process.

With its shorter wavelength, the Azure can also improve disc mastering. It allows CDs and DVDs to have higher information storage density than those produced with traditional 351 nm and 413 nm wavelength lasers. For next-generation fiber Bragg Grating manufacturing, Azure offers a much higher wall-plug efficiency than an ion laser of comparable wavelength.

The Azure™ deep-UV laser is the next generation of CW deep-UV.
AZURE: Enabling the next generation of UV tools

Developed for manufacturers by manufacturers.

Your OEM environment can benefit greatly from the key product features of the Azure deep-UV laser. It has a sealed laser head, for convenient hands-free operation. Thanks to its exclusive Sentinel™ system, which includes an active beam-pointing control system, you have complete UV beam management. And its ultra low-noise operation improves data acquisition—ever at high frequencies.

Reduce expenses any number of ways.

The Azure deep-UV laser is one investment that can pay big dividends for years to come. Since the Azure uses standard single-phase electrical power, it can lower your utility costs. For this reason, the Fiber Bragg Grating Industry is taking a close look at the Azure. Its high conversion efficiency—from green to deep-UV—extends the lifetime of the system. Reliability is a given, since the Azure is based on the proven Verdi design and Coherent’s exclusive Nonlinear™ (OLS) technology, which eliminates the need for cavity adjustments. And if there’s ever a problem, Coherent has the industry’s most extensive worldwide support network, for superb service every step of the way.

Safe choice. Smart choice.

For over 10 years, Coherent has led the way in high-power UV, deep-UV, and OLS—and in integrating these technologies into manufacturing environments of all types and sizes. Find out how you can benefit from this unmatched expertise—with the Azure deep-UV laser. Visit the Coherent Web site at www.CoherentInc.com. Or call 1-800-527-3786.

Then, see how the Azure deep-UV laser helps you put the focus on your product—instead of on your laser.

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Coherent as your partner

To compete and succeed in today’s fast-paced research and manufacturing environments, you need a laser partner that understands your needs. A partner that can provide a wide range of technology solutions and the support that goes with them.

Since 1966, Coherent has been helping customers by providing complete, laser-based solutions to a wide range of commercial and scientific applications.

With a heritage of innovation and an uncompromising position on quality, Coherent is the most forward-thinking and diversified manufacturer of solid-state, gas, and semiconductor lasers in the industry.

For more information, visit us on the Web at www.CoherentInc.com. Or call 800-527-3786.

Coherent’s scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Business information, contact details, and CE mark information are also provided on the page.