

**OPTIMIZE YOUR LASER BEAM ANALYSIS**  
with PRIMES LaserDiagnosticsSoftware  
**LDS 3.0**

# Discover the Full Potential of the LDS with Personalized Training!

Attempting to encapsulate the vast potential of the LDS in a single flyer is a daunting task. We believe that in order to maximize the potential of this comprehensive laser analysis tool, it is essential to explore its features through comprehensive training by our team of experts.

If you would like in-depth training with our experts, simply contact our customer support team or visit our website. We are committed to helping every user get the most out of our LDS. Let us guide you on your way to becoming a proficient user and harness the true power of this comprehensive tool.

Contact us today at [sales@primes.de](mailto:sales@primes.de) and unlock the full potential of our LaserDiagnosticsSoftware LDS 3.0 for your needs!

# From Ease of Use to Advanced Analysis: Maximize the Performance of Your Device

Experience the evolving power of our LaserDiagnosticsSoftware LDS, the comprehensive solution that seamlessly integrates with all PRIMES devices. The software is constantly being further developed, improved and expanded with new functions to unleash the full potential of your PRIMES equipment. With the new version LDS 3.0, we are dedicated to delivering a cutting-edge software experience that keeps pace with the markets evolving needs and advancements in laser technology.

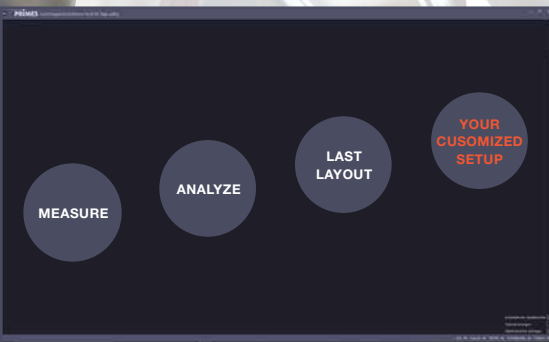
The LDS serves two main applications: production, focusing on simple and fast usage, and research and development, emphasizing complex and advanced analysis. The software offers user-friendly features for streamlined production workflows and efficient data capture, while also providing powerful tools for in-depth research, including data processing, visualization, and advanced analytics. The goal is to address different user groups, meet their specific needs, and enable them to effectively achieve their goals.

## **Features of the LDS 3.0 at a glance:**

- Automated one-click measurements
- Parallel operation of several devices
- Management of large amounts of data
- User-defined presets for measurement settings
- Customizable user interface
- Optimized algorithms for faster measurements
- Automated evaluation of measurement parameters for robust, valid results independent of operator and environment
- Wide range of graphical displays and evaluation tools for complex analyses regarding time stability, reproducibility, process characteristics
- Report function for easy documentation of results with customized reports upon request
- Light and dark color schemes for use in dark and light lab environments
- Evaluation tools for special measurement applications (e.g. Trifocal Analysis) available upon request

# Find the Right Streamlined Production

The LDS 3.0 is a powerful tool for operating PRIMES devices of the „+generation“ in production environments. It offers streamlined management of large measurement series, optimized algorithms for faster measurements, and a user-friendly interface.



Customized setups for augmented usability and efficiency

A new production functionality allows skilled users to create customized setups in the LDS software, restricting access to certain settings and options. This minimizes errors during measurements and evaluations. Users can lock settings, create custom evaluation toolbenches, set value boundaries, and easily load reference measurements for comparison.



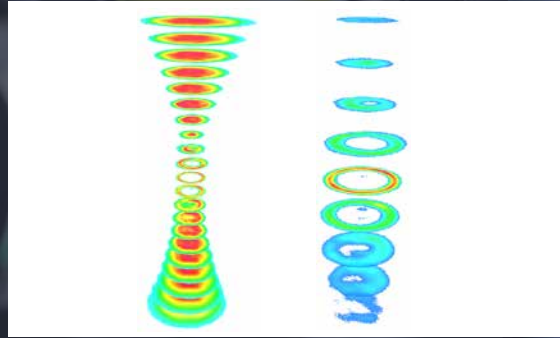
Traffic light tool according to the limit values set by the user

With automated one-click measurements and the ability to operate multiple devices simultaneously, the LDS 3.0 enhances efficiency and productivity. The software also provides easy documentation of results and customizable reports, making it ideal for routine laser beam measurements in production settings.

# Tool for Your In Depth Analysis

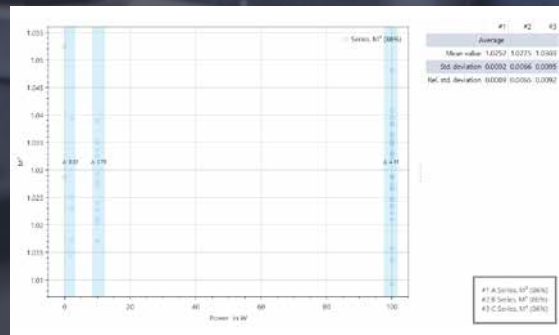
In research and development (R&D), the LDS 3.0 is a comprehensive solution for in-depth laser beam analysis. It enables precise calculations and graphical representations of beam characteristics such as position, dimensions, Rayleigh length, beam quality, and more.

The software offers compliance with applicable standards, allowing users to choose from different algorithms and frames of reference. With automated evaluation of results and a range of evaluation tools, the LDS supports complex analyses, including time stability, reproducibility, and process characteristics. New: Evaluation tool for ring beams



Analysis of ring beams, also known as „donut mode“

Our goal is to provide a seamless experience within our software, minimizing the time needed for comprehensive data analysis. By offering a responsive workflow, we enhance your efficiency and productivity. Our devices are designed to meet the unique needs of laser manufacturers, optic designers, machine integrators, and more. Likewise, our software offers a variety of evaluation tools tailored to these specific tasks.



Visualize your data and perform statistical analysis, even based on manual selection of data

# PRIMES – A leading company for laser beam diagnostics.

We offer innovative and process-optimized measuring devices for focus characterization and performance measurement of laser beams. Our wide range of high-precision, durable products is essential in many industrial applications. Researchers and developers widely recognize PRIMES tools in industry and universities. Thanks to the in-house design of the entire hardware and software, we can offer optimal solutions for various laser measuring tasks, system characterizations, or error analyses.

Established in 1992 and headquartered in the Rhine-Main region in Germany, PRIMES is globally renowned as a valued partner, represented by a well-established subsidiary in Japan and 14 distributors worldwide.



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