

A high-resolution optical profiler with a grey, rounded top housing. The front panel features the 'zygo' logo and 'NewView 7300' in red and black. Below the housing is a microscope-like objective lens assembly with four lenses. The base is a black platform with red adjustment knobs.

zygo
NewView™
7300

NewView™ Optical Profilers

zygo

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ZYGO Corporation:
The World Leader in Optical Metrology

Founded in 1970, Zygo Corporation is a leading global provider of comprehensive metrology solutions for research and production applications. We design and manufacture the world's most advanced non-contact 3D measurement systems, providing unmatched performance, versatility, reliability, and value. ZYGO's commitment to solving the most complex metrology challenges with innovative solutions and expert support has earned the trust of our extensive worldwide customer base.

ZYGO's NewView optical profiler is a robust, proven instrument for non-contact 3D surface profiling. Based on patented scanning white light interferometry, the NewView family of optical profilers excels at the precise, quantitative characterization of surface roughness, topography, and critical dimensions – all with unmatched speed and precision. Thousands of customers in production, research, and worldwide standards laboratories around the world trust NewView systems for the highest precision 3D metrology.



**Robust Performance, Value, and Versatility
for Maximum Investment Protection**

The NewView family of optical profilers is designed to quickly and easily deliver the high precision measurement that you demand to ensure that your products and components meet critical functional specifications. It excels at applications as varied as the analysis of microstructure topography, material deposition and removal, optical scatter, precision machined surfaces, surface wear, and transparent film characterization. With the performance, value, and versatility of a NewView, you can be equally confident in your measurements and your investment.

- Simple to use traceable calibration artifacts provide a high level of confidence in the measurement result
- ZYGO's powerful MetroPro® software provides quantitative data analysis, visualization, and instrument control in a single package that is suitable for both laboratory and production environments
- NewView optical profilers are designed for easy upgradability including software, sample stages, and optics
- The intuitive operation and automated measurement capabilities of a NewView instrument keep training costs low and enhance operator and production line productivity



1,2,3 Whether for quality control (1), on the production floor (2), or in the research lab (3), the NewView optical profiler provides rapid and quantitative data for the most demanding surface metrology applications. 4 All NewView instruments are built and tested at ZYGO's US Headquarters in a precision cleanroom facility.



Performance

NewView non-contact optical profiling technology provides superior 3D areal metrology for any surface, including the very rough and exceptionally smooth surfaces that other technologies cannot handle.

- Patented Frequency Domain Analysis (FDA) algorithms ensure accuracy even in challenging environments, and consistent, repeatable results from part to part
- Only the NewView optical profiler delivers the fastest acquisition with minimal setup time; there is no trade-off between precision and speed of measurement
- With NewView, vertical resolution is independent of magnification, providing the highest precision at all fields of view

Versatility

ZYGO's commitment to investment protection is reflected in the widest range of accessories in the industry. With a full range of automation, staging, and system configuration options, you can be confident that as your needs change, you can easily and cost-effectively adapt your optical profiler platform to new applications and environments.

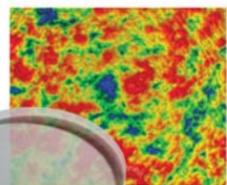
- Objective lenses to change your lateral resolution and field of view. Optional mounting turrets allow rapid and automated exchange to customize the degree of application automation
- Image zoom optics to magnify or demagnify the image without changing the ability to measure the surface
- Sample stages to enable more or less automation as required by the application, from fully manual to fully motorized and encoded systems

- Traceable vertical and lateral calibration artifacts for adherence to ISO requirements
- Software modules to give you more measurement capability from the same hardware, and an easy to customize interface suits the needs of any type of installation

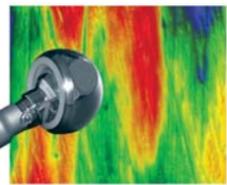
Value

Your NewView optical profiler delivers the perfect combination of high precision measurement and highly efficient operations. Consolidate steps and even instrumentation, reduce operator training time, and simplify tracking and control. One instrument enables you to meet the toughest product specifications with the tightest process efficiency.

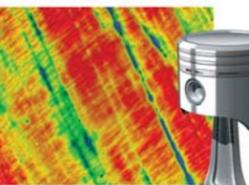
- The easy to use MetroPro® software requires no programming and combines instrument control, data analysis, and visualization. One interface for operators to learn and use means less training time and higher productivity
- The NewView makes process tracking and control simple and efficient with a wide variety of 2D and 3D plots, quantitative results with visual pass/fail indication, integrated statistics, and reports
- The NewView and MetroPro® software are designed with efficiency in mind, enabling measurement of several parameters simultaneously and combining measurements that traditionally require multiple inspection operations or even multiple instruments



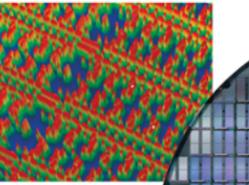
optical



biomedical



automotive



micro electronics

Solutions That Meet Your Needs

With ZYGO as your partner, you can rely on a focused solution that uniquely corresponds to your business needs. Our complete portfolio of optical profilers and accessories means that you can choose the ideal system for your application and budget. If additional capabilities are required beyond our standard offering, we can modify a NewView system to fulfill your metrology requirements.

Global Support

ZYGO instruments are backed by a global support organization dedicated to maximizing the return on your investment. Our network of local, factory trained resources provides timely, expert support, spare parts, and training when you need it.



ZYGO's passion and tradition of innovation started in 1972 with the world's first commercial interferometer, and still continues today. With thousands of systems installed worldwide, ZYGO is the leader in non-contact 3D metrology. Over the years, we have solved some of the most difficult and demanding metrology applications for our customers.

The ZYGO name is synonymous with precision, unequalled equipment reliability, and investment protection. We have maintained an unwavering commitment to our customers, from delivering the most trusted technology in the industry to the highest levels of support.

For everyone at ZYGO, your success is our most important measurement.