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VeriFire™ Laser Interferometers

The most trusted name in
laser interferometers

zygo

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 pioneered the commercial interferometer market in 1972 with the introduction of the model GH laser Fizeau interferometer. The ZYGO name has become synonymous with 3D non-contact form metrology of optical surfaces. Our VeriFire instruments are used in a broad range of industries and applications to quantify surface and material characteristics of plano, spherical, and aspheric components. The versatility, reliability, and performance of ZYGO's VeriFire laser interferometers make them the preferred choice for surface form metrology for thousands of customers around the world.



1972 Model GH
The first commercial
Fizeau interferometer



1981 Mark series
of interferometers



1984 PTI
Production Test
Interferometer



1993 GPI series
of interferometers



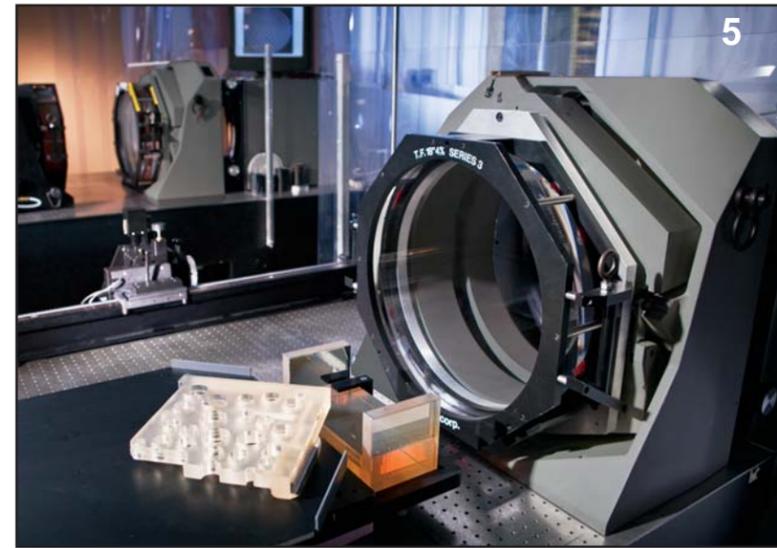
2002 VeriFire series
of interferometers

Quality, Versatility, and Productivity That Maximize Your Investment

ZYGO is committed to protecting your investment over the long life of your VeriFire interferometer. With thousands of systems installed worldwide, no other metrology company comes close to ZYGO's track record for product quality and customer satisfaction.

- We guarantee the performance of your VeriFire system and components as part of a complete solution qualified in our ISO 9001 registered facility
- The VeriFire series is designed for expandability, providing an easy upgrade path for new applications and technology
- The versatility and dependability of our instruments ensure a low total cost of ownership
- Our instruments support higher throughput and lower manufacturing costs with unique hardware and software features that minimize operator variability





Performance

A VeriFire interferometer is designed to meet the needs of the most demanding applications. You can rely on the proven performance and enhanced capabilities of a ZYGO VeriFire interferometer to give you a competitive edge in the design, development, and manufacture of your optical components and systems.

- Traceable reference optic calibration and certification ensures low measurement uncertainty and high confidence in the result
- Patented technology and a true Fizeau common path design enables unmatched performance
- ZYGO's industry standard MetroPro® software is certified and validated against national standards

Value

With decades of dependable operation across thousands of installations, ZYGO has demonstrated the lowest total cost of ownership in the industry.

- You can depend on the quality and reliability of ZYGO products to ensure continuous operation and low support costs
- By minimizing operator variability, ZYGO interferometers enable shorter manufacturing times and reduced production costs
- ZYGO's laser interferometers are designed with your future in mind by providing the ability to easily add capabilities as your needs change

Versatility

The VeriFire series of interferometers excels across a broad scope of metrology applications including production, quality control, and research and development.

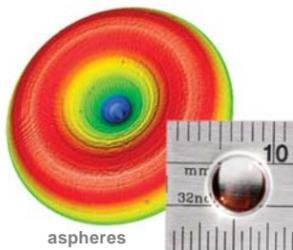
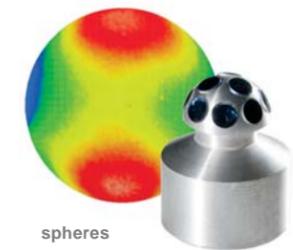
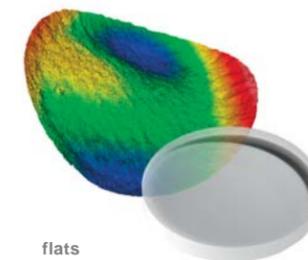
- Our products handle a wide range of shapes and sizes, from compact aspheric optics to large flat and spherical components and systems
- The VeriFire enables fast and accurate metrology even under extreme vibration conditions with our DynaPhase™ dynamic acquisition software
- You can measure numerous types of surfaces with a single VeriFire system by taking advantage of our complete portfolio of qualified reference optics and mechanical accessories

1,2,3 ZYGO offers a comprehensive line of accessories for the VeriFire interferometers including traceable reference optics (1), beam expanders (2) and radius of curvature metrology kits (3).

4 ZYGO's VeriFire Asphere production workstation enables rapid metrology feedback for critical polishing applications.

5 ZYGO's portfolio of accessories includes large aperture beam expanders ranging in diameter from 12" to 32".

6 Optics manufacturers throughout the world rely on ZYGO interferometers for their critical quality control measurements.



Solutions That Meet Your Needs

With ZYGO as your partner, you can rely on a focused solution that uniquely fits your needs. Our complete portfolio of laser interferometers, reference optics, and accessories allows you to configure the ideal system for your application and budget. If additional capabilities are required our in-house expertise enables us to offer you a customized solution.

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.

