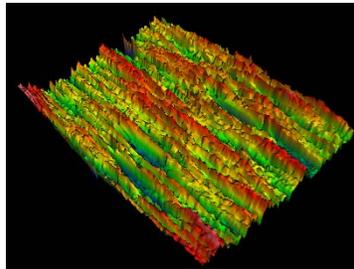


# Medical Device Process Insight from ZYGO: Lower costs, increase device performance, and reduce risk for device failure.

*An aging population, greater demand for increased quality of life and health care cost containment all drive the medical device market. These drivers also increase business risk where failure can lead to failed clinical trials, regulatory non-compliance, and litigation. ZYGO products offer a unique feature set that can potentially reduce this risk of failure while increasing your competitive advantage.*

Biocompatibility, for example resistance to blood clotting and bacterial colonization, and uncomplicated healing, can be driven by device surface texture. ZYGO's



NewView™ product family measures surface texture within seconds. No special part preparation is required and the NewView presents easy to

understand 3D maps of the surface to sub-nanometer precision when needed.



Joint implants including hips, knees, spinal, and shoulders are sensi-

tive to long term wear which are a function of both surface texture and surface form. ZYGO's GPI™ product family is the world's standard for 3D

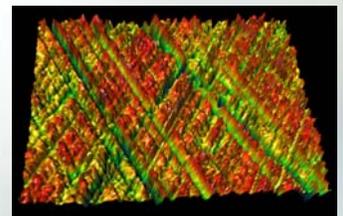


ZYGO's NewView™ 7300

noncontact form measurement. Again with no special part preparation 3D surface maps are produced in seconds without specialized training and again to sub-nanometer precision. What's even better the software interface for the NewView the GPI is the same, reducing the learning curve for operators in both RD&E and production.

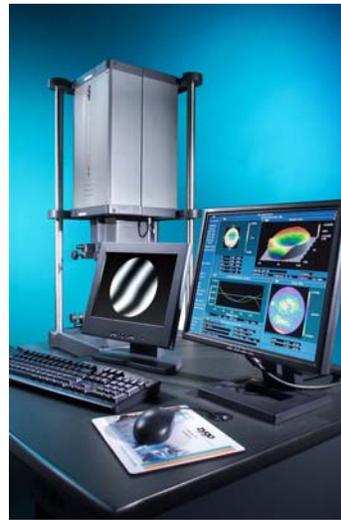
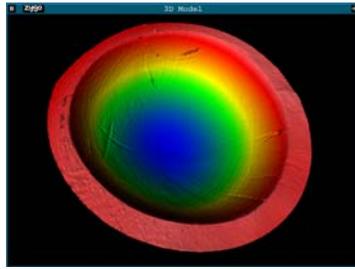
Characterize texture height and spatial frequency, bearing area curves, and feature sizes. Produce run charts and process statistics all from the windowing interface. In the production mode lock the flexible display and only report Go/NoGo color coded results for easy process control.

Low volume and high-mix often characterizes medical device manufacture. Both of these products are extremely flexible allowing for quick change over and minimized touch time for each measurement. This is critical to lower production costs and speed the time to market.



Compare ZYGO's features to traditional surface and form tools that contact the surface, and are slow, labor intensive, and don't provide the critical 3D maps of the surface. ZYGO's advantage is clear.

ZYGO's NewView and GPI combine to provide the broad insight needed to develop and produce your medical device product. Call ZYGO today to learn more regarding these tools.



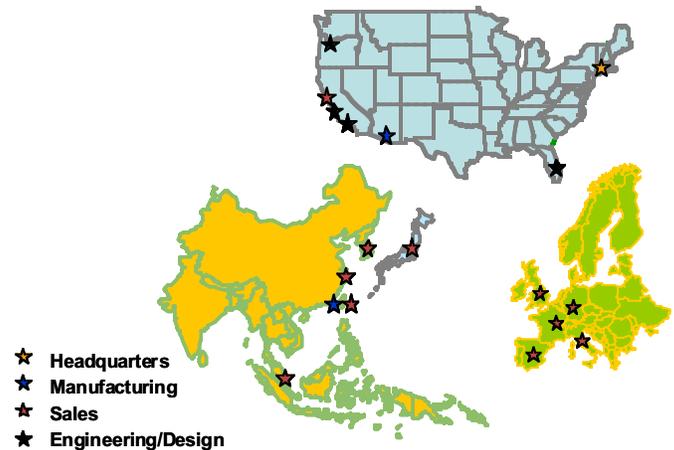
ZYGO's GPI™

## ZYGO Worldwide Support

For over 35 years, the world's leading technology companies have relied on Zygo Corporation. With an installed base of over 10,000 interferometer based metrology products in critical production, quality control, and R&D applications, ZYGO has earned a reputation for the highest quality, reliability, and uncompromised performance. Recognized as a valued partner for its innovation and responsiveness, Zygo Corporation works closely with customers to realize the competitive advantages its products and technology offer. With over 550 dedicated employees in offices around the world, ZYGO has the infrastructure necessary to meet the production challenges of today and tomorrow.

## ZYGO Worldwide Support

ZYGO's worldwide sale, service and engineering organization is set up to directly support your production and development.



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 Covered by one or more of the following US patents:  
 5,402,234 and 5,398,113. Other US and foreign patents pending.  
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