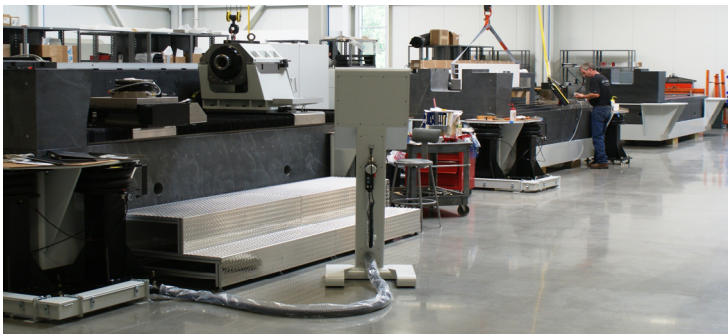


Rock & Roll...

'Rock' as in the 13 tons of finest American natural granite that forms the base structure of every Nanotech® HDL-2000 machine. 'Roll' as in the drum rolls which are diamond turned to provide the core technology for Brightness Enhancement Film production.

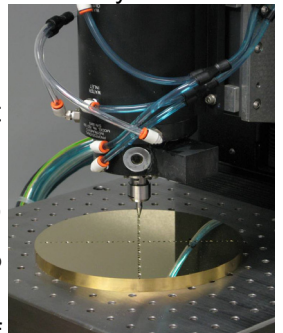


Currently undergoing the final stages of assembly and testing is our latest batch of these highly advanced machines. With a massive workpiece capacity of 3000kg and a drum face width of up to 2m, the machines boast temperature controlled oil bearing hydrostatic spindles, tailstocks and slides. Additional axes and Fast Tool Servo devices also extend the capability of the machines to more complex micro-groove and micro-lens-array applications.

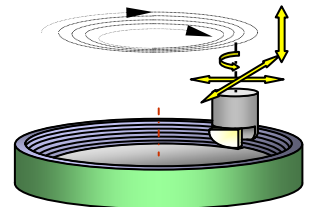
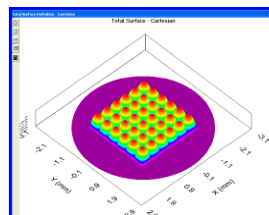


As Simple as XYZ...

With a growing interest in the 'Wafer-Scale' production of injection molded optics, fuelled in part by the increasing demand for high resolution yet low cost mobile phone camera's, Nanotech has developed various solutions to fit both demanding technical & varying budget requirements.



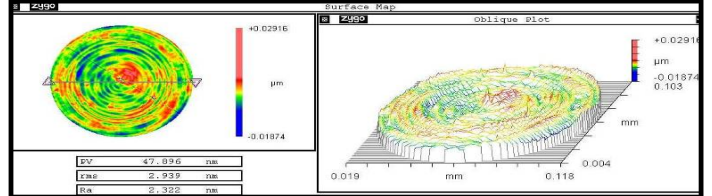
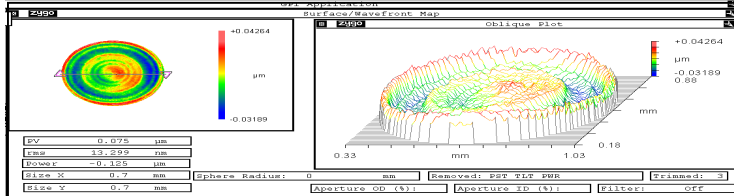
From the vertical Y axis equipped Nanotech® 250UPL, to the 5 axis Nanotech® 350FG and the purpose built Nanotech® 350UPM, spiral micro-milling utilising simultaneous motion of the X, Y, and Z axes still remains the optimum process for consistent lens-to-lens form accuracy, surface texture and µm level pitch control. Such precision and consistency cannot be found using other techniques, for example when the C axis is used as a pseudo Y axis. All Nanotech machining solutions are further enabled with the use of NanoCAM3D® programming software.



Form: 0.075µm PV Process: Spiral Micro-Milling

CHAMPION DATA

Surface Texture: 2.3nm Ra Process: Spiral Micro-Milling



Sustained Growth in Challenging Times...

Nanotech has received further acclaim by being ranked the 14th fastest growing privately owned company in the State of New Hampshire. In addition it has been ranked within the Top 100 in terms of revenue.

Just eighteen months after being crowned Company of the Year, Nanotech is proud to be the only machine manufacturer in the Keene area to receive any such accolade, all under the back-drop of extremely challenging economic times. The 11 acre Nanotech site and 36,000 ft² facility, flanked by beautiful New Hampshire countryside, allows ample opportunity for a continued yet sustainable growth.



Our Commitment in Japan...

With a tried & trusted pedigree in the field of Ultra-Precision Machining, it is with great confidence that Nanotech has appointed Enable KK as its exclusive agent for the Japanese market.

With the familiar faces of Mr. Hideki Ogawa at the helm and Mr. Koji Yamaguchi providing Applications & Service support, Enable KK is perfectly positioned to advise customers on all aspects of the technology. The team is complimented by Hideki's wife, Akemi, providing back-office support; also his son, Takashi, who supports various peripheral product offerings, thus allowing Enable KK to provide true customer/application driven solutions.

www.enablekk.com

Next Issue: Workpiece Error Compensation System

www.nanotechsys.com