

## News Bulletin June 2010

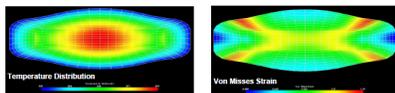
### See You There...



15th - 18th June 2010  
Frankfurt Messe, Frankfurt, Germany

Moore Nanotech Booth # H33

In collaboration with Fraunhofer IPT, the Nanotech® 065GPM-S Glass Press Molding machine and GPMSim Finite Element software package will be on show. Providing an advanced and more predictable molding process, the combined systems yield both accuracy and repeatability not seen before.



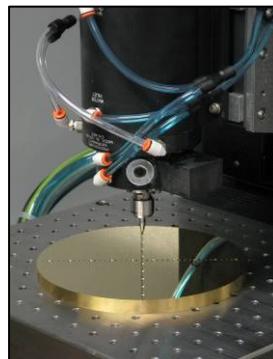
Please stop by the Fraunhofer IPT booth to see the system in action and visit the booth of Nanotech® where Dr. Yazid Tohme, Mr. Bob Cassin, Mr. Frank van Hulst and Mr. Gavin Chapman will be on hand to discuss these and other product developments.

### Nanotech® 350UPM...

In answer to demands to Spiral Mill aspheric Micro Lens Arrays, Nanotech® is pleased to offer an optimized solution that embodies tried and tested machine elements with an advanced motion and thermal control. The system is able to hold  $\mu\text{m}$  level positional accuracy on density populated 'wafer-scale' substrates that can take literally days to machine.



Stability is further enhanced with a state-of-the-art hydrostatic thermal control strategy that closely maintains critical linear axes assemblies to levels yet unseen in a commercially available machining system. An optional Temperature Controlled Air Shower system provide additional control environmentally.



The Groove Compensated air bearing spindle capable of 60,000rpm, mounted with a ceramic support to a newly designed Y axis with dual linear motors and special pneumatic counterbalance, combine to contribute toward an achieved surface texture as low as 2nm Ra and a PV form in the order of 0.1 $\mu\text{m}$ .

### Performance Enhancements...



Much more than just a visual transformation, the established product range of Nanotech® UPL and FG machines has undergone a programme of enhancements all with performance in mind. Starting with an already impressive track record, further improvements have been made in thermal control, mechanical stability and accuracy - not least spindle motion errors guaranteed to less than 12.5nm. Ergonomic aspects have also been considered as have various software utilities to make the life of the machine technician easier.

### A Warm Welcome...

Nanotech® was delighted to welcome to its new facility all of its international agents and partners for our Global Strategy Meeting last month. Blessed with warm spring weather, our overseas colleagues were able to share their ideas and knowledge and get valuable updates on the latest Nanotech® developments. It's no wonder we are proud to have customers in some 25 countries around the world. Following this an 'Open House' allowed several local and overseas visitors to drop by for a review of the new facility and products.



**Next Issue: More on Recent Product Enhancements**