Nanotech®

News Bulletin January 2012

SPIE Photonics West...

South Hall booth #1439
Moscone Center
San Francisco, USA
24th - 26th January 2012

SPIE Photonics West

Come see the Nanotech® 250UPL and discuss your needs in Ultra-Precision Machining. On hand to answer your questions will be Bob Cassin, Samrad Bukovcan, Jeff Johnson, Len Chaloux and Gavin Chapman.

Aachen Precision Days...

Fraunhofer IPT

Aachen, Germany 28th - 29th February 2012

Pat Hurst, Engineering Manager at Moore Nanotech, will present 'Ultra-Precision Milling of Optical Components', accompanied by Frank van Hulst and Gavin Chapman.

Familiar Faces...

We are pleased to announce that Dr. Sinan Badrawy will be rejoining the organization as Chief Technical Officer of the PMT Group, the parent company of Moore Nanotech. A German native, Sinan gained his PhD at TU Berlin before taking up research studies at the University of Florida in Gainesville and the University of Michigan. Having previously worked with Moore Nanotech for several years, Sinan is a familiar face in our industry and is a welcomed addition to our technical team.

In addition, Samrad Bukovcan has transferred from our Engineering Department to work alongside Jeff Perra to handle North American Sales. Samrad graduated from Clarkson University and his previous experience as a mechanical design engineer provides him with a unique insight of what goes into our technology. Originally from the state of New York, Samrad relocated to the Keene area where he lives with his wife.

NanoBALANCE™...

Spindle performance is optimized with the use of NanoBALANCE™ On-Machine Balancer. The machine's 34 picometer feedback resolution is used to derive spindle imbalance in terms of both position and magnitude, allowing either single mass or the more common compound mass correction. This user configurable software based package offers a cost effective alternative to stand alone balancer systems.

What Our Customers Say About Us...

"The most remarkable and excellent service support I have ever seen".

"I've been in this business for a long time, and response time like that is unheard of. "

"I said it before and I'll say it again, I believe you guys are building the best diamond turning machines in the world. The quality and performance is truly amazing."

"FANTASTIC support we are receiving from your team as we worked through a difficult problem solving process. Top notch all the way."

"This is the service that we expected. We're running our machine 24/7. It is always unfortunate when equipment goes down, but how it gets resolved in my opinion can make up for it, and your team really made up for it."

"We are very pleased with the new 250UPL. Everything went very smoothly, with zero issues, questions or concerns. Your Service Engineers performed a superb job, upholding the high level of quality, service, and accuracy we have come to know and expect from Moore Nanotech. We look forward to a future of growth, and expanding our business with Moore Nanotech products".

System 3R Workholding Solutions...

Stockholm based System 3R is able to apply its experience in productivity enhancement to the more specific requirements of the optics and Ultra-Precision machining industry. In close collaboration with Fraunhofer IPT in Aachen, Germany, a range of work-holding solutions have been developed with an emphasis on position repeatability and general process efficiency.

Using the System 3R 'Chuck & Pallet' approach components can be mounted with sub-micron repeatability throughout the manufacturing process, from initial set-up, pre-machining, Ultra-Precision Machining, and metrology. The systems can be used in both static and highly dynamic environments, and the MacroNano range (above) boasts cemented carbide references that result in practically no wear.

The MatrixNano system (below) allows the component to be mounted in a double-sided turnable pallet to allow both back and front surfaces to be processed.

For more information on these innovative solutions, please contact System 3R

www.system3r.com system 3R

Next Issue: High Efficiency Machining of IR Optics