

News Bulletin / May 2015

Thanks for your support!



Celebrating customer acceptance of our **100th** Nanotech 350FG / 650FG Y-axis Freeform Generator!



A Complete Versatile Suite of 2 - 5 Axis Ultra-Precision Diamond Turning, Micro-Grinding / Milling Solutions

Ergonomics & Economics . . .



650FG^{v2} designed for easy accessibility to the work piece (upper enclosure removed for clarity)

The 650FG^{v2} Offers You Both!

All our systems are designed with technician ease of use in mind without straying from our engineering principles which drive performance. This includes our sleek ergonomic and customizable Touch/Swipe control pendant engineered for the optimal viewing angle. We strive to provide the best of both worlds without sacrificing high production throughput, reliability, performance and part cutting results.

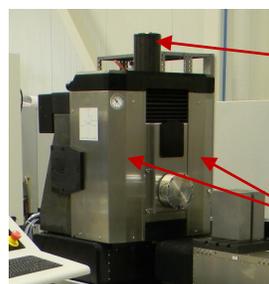


NanoSMART®

Ask Nanotech . . .

Why is the 650FG^{v2} Freeform Generator so successful compared to other vertical Y-axis designs in the field?

Timeless design principles embodied in our symmetrical Y-axis assembly are the culmination of many years of practice in precision engineering. Key engineering principles of symmetry, co-location of the center of gravity with the center of stiffness and center line of force, and an active counterbalance acting along this center equate to superior performance.



Active Air Bearing Counterbalance Located in Line with the Spindle Center of Gravity

Oil Hydrostatic Rails with Dual Linear Motor Technology

Symmetrically Integrated Spindle

What are the benefits of dual linear motors?

Bilateral air cooled linear motor technology with advanced synchronization processing prevents thermal buildup by allowing uniform even sharing of the workload as opposed to overheating a single motor. In addition, our Active Air Bearing Counterbalancing Technology is designed in line with the work spindle's center of gravity. It cancels working loads so it's as if the motors are lifting no mass even as you are adding and removing weight from the spindle. In fact, our unique design drops the steady state motor power to less than **100 milliwatts**, equating to a very minimal thermal signature.

Inside Nanotech . . .



We are pleased to announce the addition of Gavin Chapman as Director of Business Development. No stranger to Nanotech, Gavin was actually our third employee before returning to his native England. Since then he has continued to support Nanotech, albeit independently as our representative. He now returns as a fully-fledged employee and will remain

based in the UK, focusing on all aspects of the company's continuing development and growth. We welcome Gavin back in his new role!