

Moore Nanotech® 350FG

Ultra-Precision Freeform® Generator

(Configurable as a 3, 4, or 5 axis machine)

Machine Features

- PC based CNC motion controller with Windows operating system and **1.0 nanometer (0.04μ") programming resolution**
- Thermally insensitive linear scale feedback system with **34 picometer (0.034 nanometer) resolution**
- Allows raster flycutting and/or grinding of freeform surfaces, linear diffractive surfaces, and prismatic optical structures
- Allows increased swing capacity to 20" dia. (500mm) for off-axis and toric components
- Box-way hydrostatic oil bearing slides with 12" (300mm) of travel on Z, 14" (350mm) of travel on X, 6" (150mm) vertical travel on Y, and an adaptive air bearing counterbalance assembly on the vertical axis for optimal servo performance
- Dual linear motors on Y-Axis
- 10,000 rpm "heavy-duty" air bearing workspindle (with liquid cooling option) imbedded into the Y-Axis carriage to improve loop stiffness, reduce Abbe errors, and maintain symmetry
- *Options* include hydrostatic rotary B-Axis, C-Axis positioning control of the workspindle, Fast Tool Servo system, grinding & micro-milling attachments, optical tool set station, spraymist coolant system, vacuum chuck, micro-height adjust tool holders, Aspheric Part Programming Software (APPS), on-machine measurement & Workpiece Error Compensation System (WECS), and air shower temperature control system



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Please see reverse side for more specifications