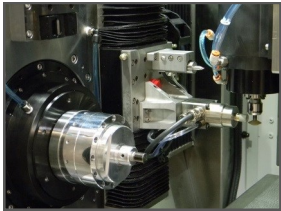


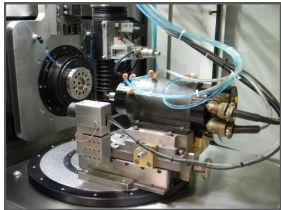
# 100 UPG<sup>v1</sup>

**Ultra Precision Aspheric Grinder**  
(Available with 2, 3 or 4 axes)

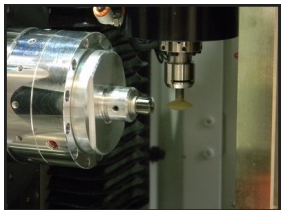
## Optional Configurations



CNC Wheel Dressing System



XZB Wheel Normal Grinding



Vertical Grinding Configuration



## **v1 Series** **New Major Technology Advancements**

- **Impact Resistant** Porous Graphite Air Bearing Work Spindle with less than 12.5nm motion error throughout entire speed range and **0.01 arc second** C-axis resolution.
- Industry leading **8 picometer** linear feedback resolution.
- Delta Tau Power PMAC Real-time 64-bit Motion Controller with 40,000 block lookahead for advanced trajectory calculations.
- Dedicated Ethernet / LAN connection allows real-time monitoring and control of the machine by the factory (or the customer) to remotely evaluate all control functions for instantaneous diagnosis and troubleshooting of any control or programming problems.
- **NanoSMART™** - Industry's First Touch / Swipe Gesture Based Interactive HMI with numerous new value added features including ability to process up to 5GB program file sizes.