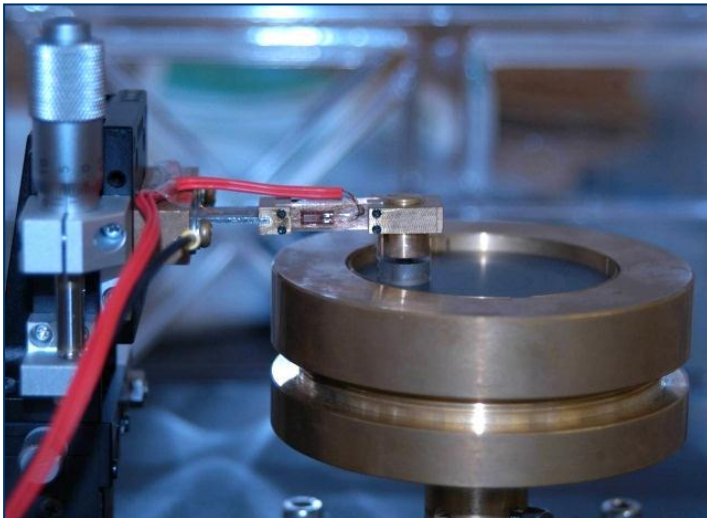
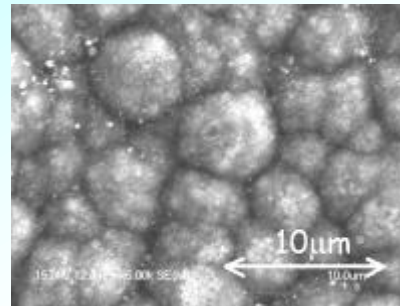


Development of the "new sliding" technique using a easily polishable polycrystal CVD diamond

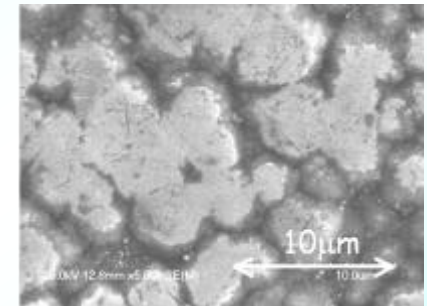
- Sliding of diamond coating surface → Low friction, Antiwear
- Biocompatibility → Artificial joint.



SEM pictures of CVD diamond



As-deposited



After polished
($Ra = 0.25\mu\text{m}$)