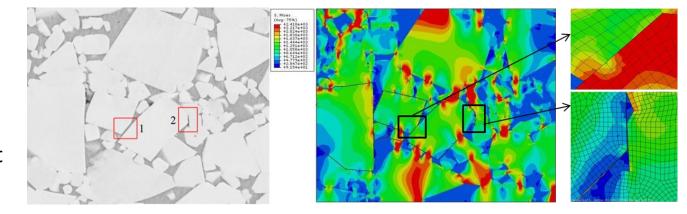


- R&D investment account for more than 4% of ZCC·CT sales revenue.
- 6 research platform for material and structure design research, processing research, cutting test, application technology research and development have been established.

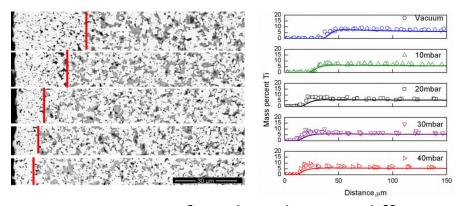




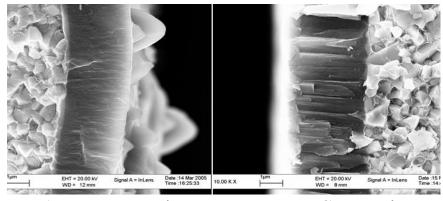
Know how in substrate and coating



Left: Research on impact resistance of substrate



Microstructures of gradient layer at different condition



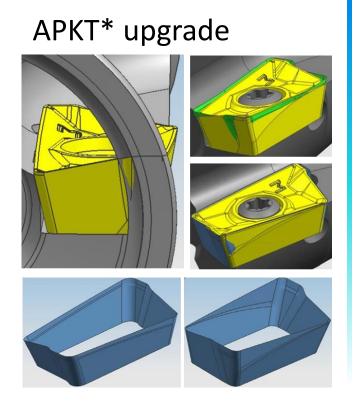
Arc evaporation

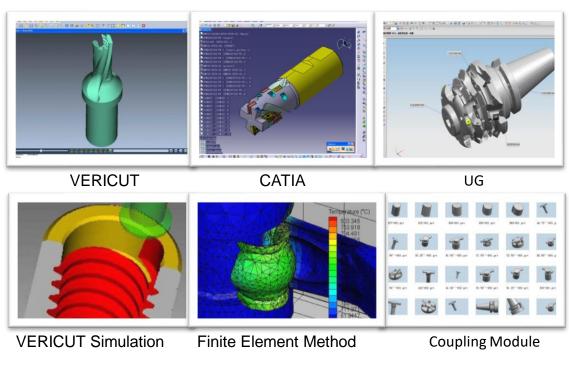
Sputtering



Know how in designing and simulating

 Based on UG, CATIA, VERICUT and ADVANTEDGE FEM, a multi-functional structure design innovation platform is established for analysis, design, processing and simulation.



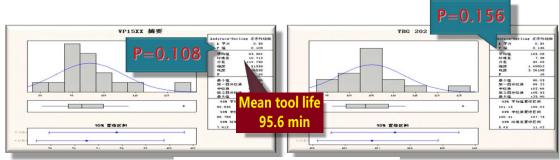


More than 40 suits of software above



Know how in producing and application

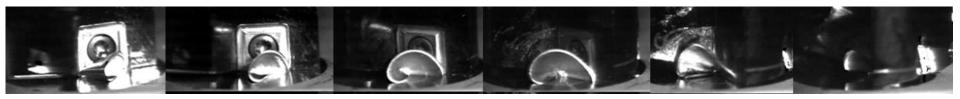
Study on stability of cutting tool life



stability of cutting tool life



A high-speed video camera for drilling research



A high-speed video camera on ZTD drilling