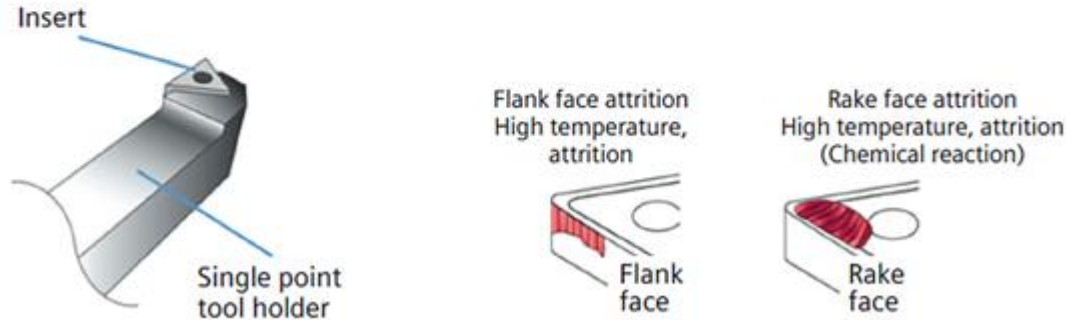
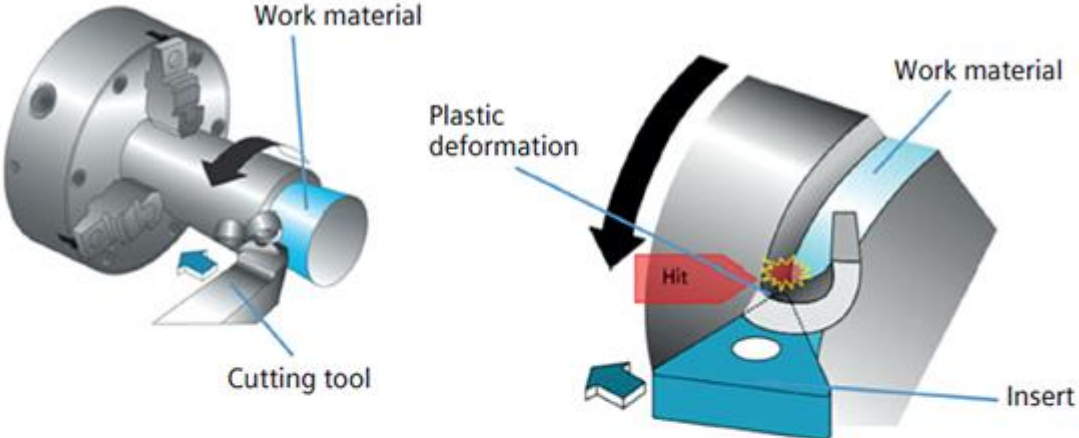


Mitsubishi Materials Corporation Designing liquid-cooled nozzles for cutting tools



Siemens Digital Industries
Software solution enables
Mitsubishi Materials to extend
product life of tool holder

57%

maximum velocity with the
same pressure drop



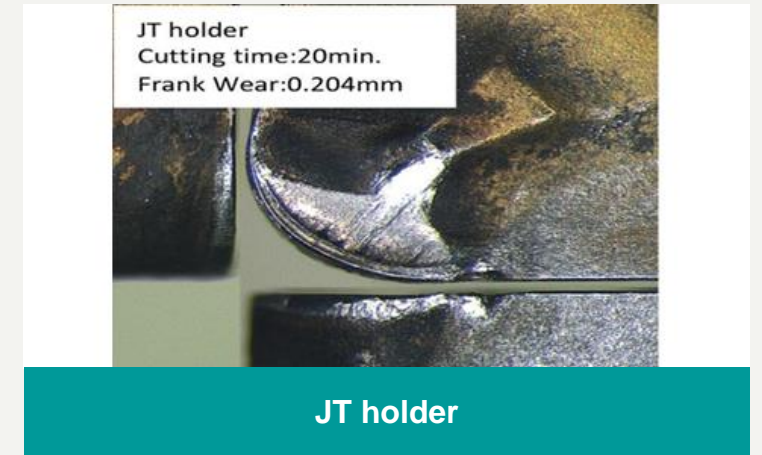
Mitsubishi Materials Corporation

Designing liquid-cooled nozzles for cutting tools



- Improved 11% more cooling liquid flowrate and 57% higher peak velocities
- 40% better in lifetime extension in compare to conventional coolant

Wear apparatus after cutting test



- Improved designs with Simcenter FLOEFD, CAD-embedded CFD - fast, easy-to-use and powerful software for the design engineer

“Since we have no specialist CFD experts, our designers take care of simulation analysis. FLOEFD is the best for CFD because of its simplified auto-meshing setting inside our preferred CAD package”.

Hidebumi Takahashi