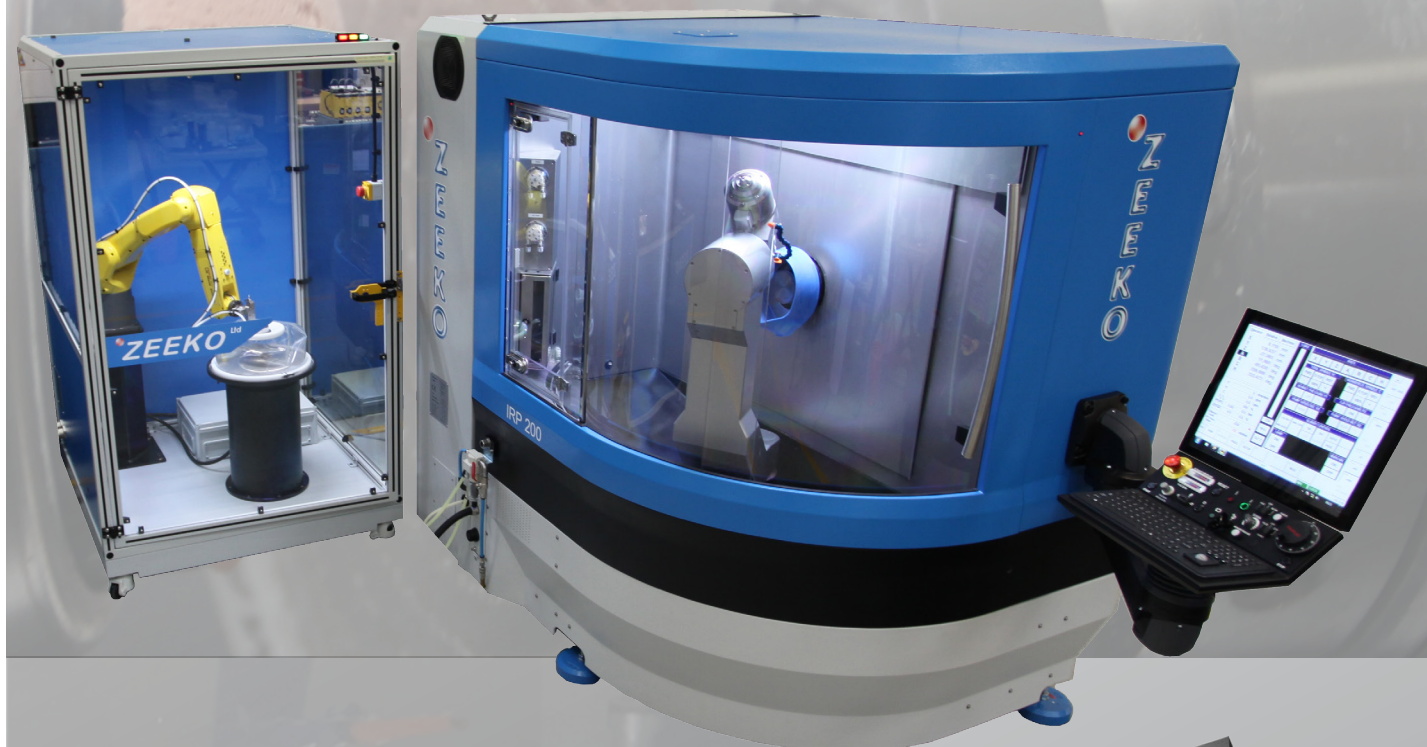




ZEPHYRCAM

by ZEEKO ^{Ltd}



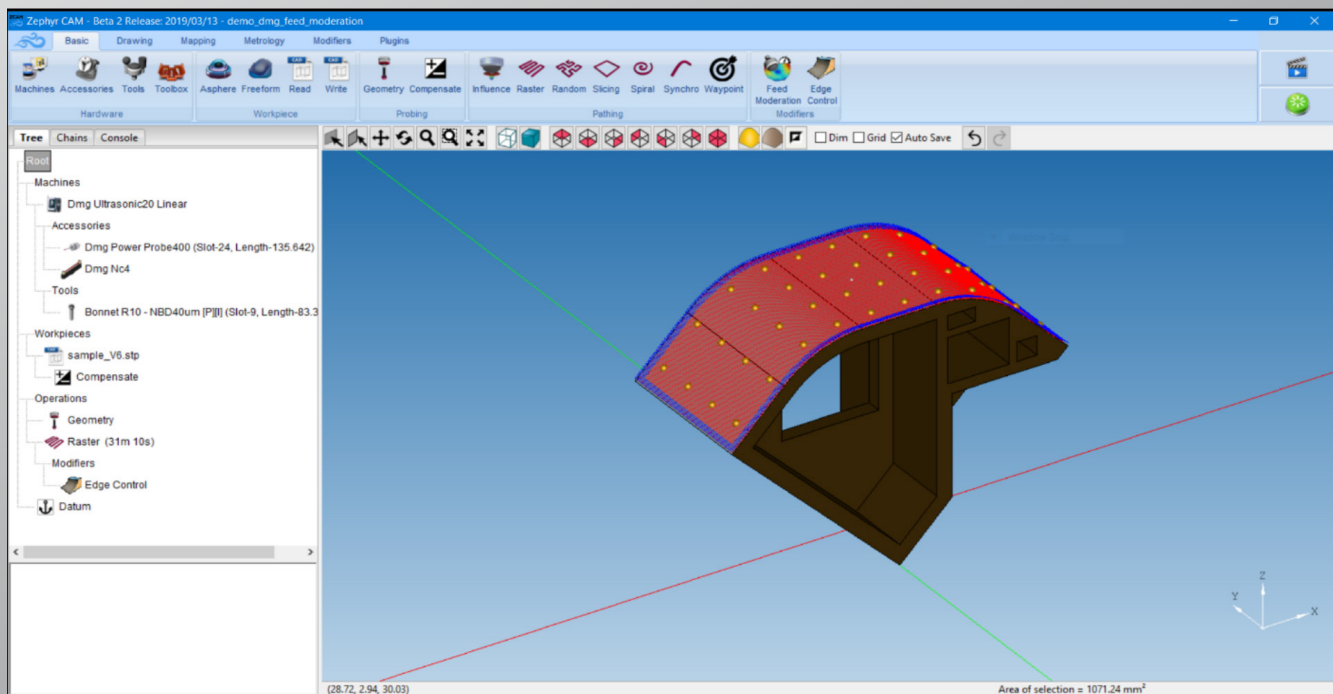
ZEPHYRCAM

Polishing, Grinding and Milling Software for
3, 4, 5, 6 and 7 Axis Machines
and Industrial Robots



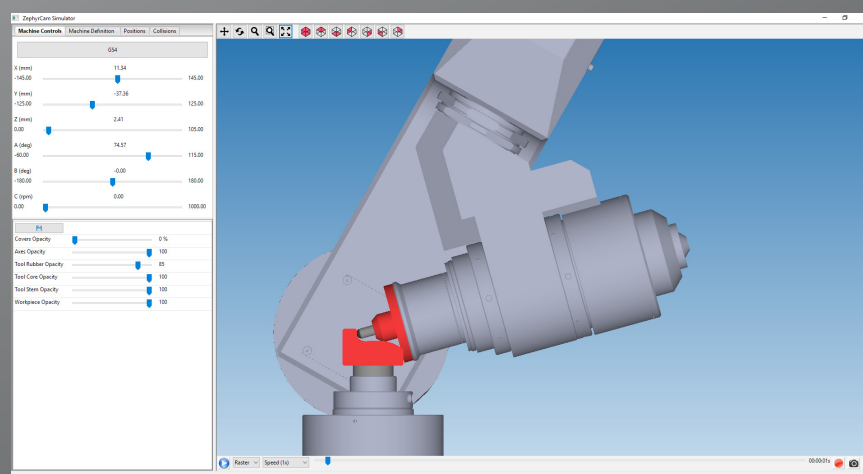
ZEPHYRCAM

- Simple, intuitive user interface
- Customisable user interface
- Powerful plugins feature, allows the user to define and add bespoke functionality



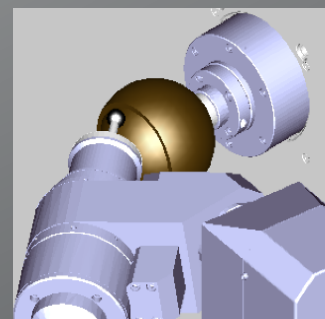
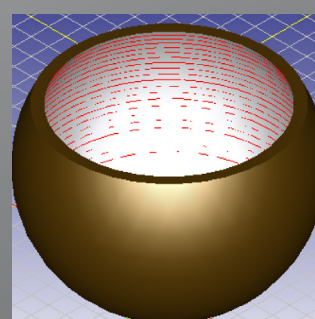
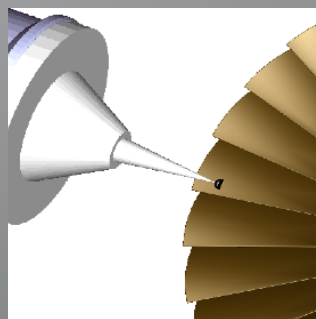
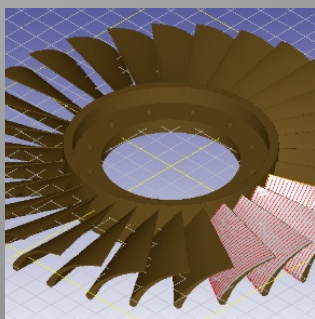
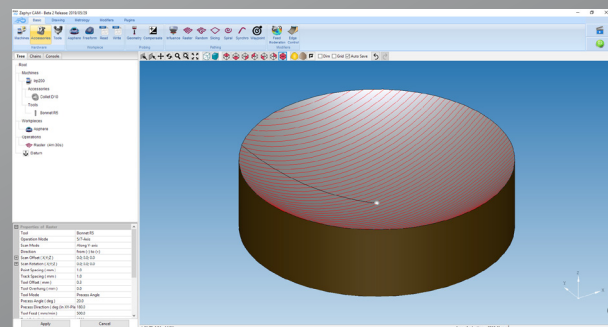
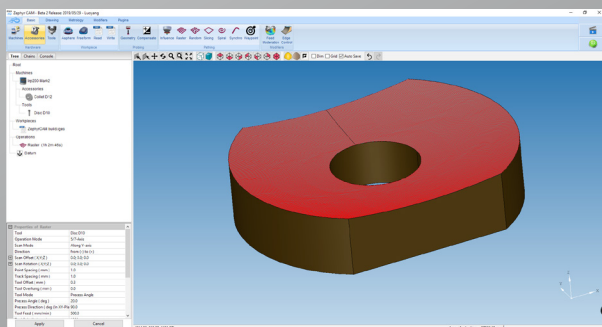
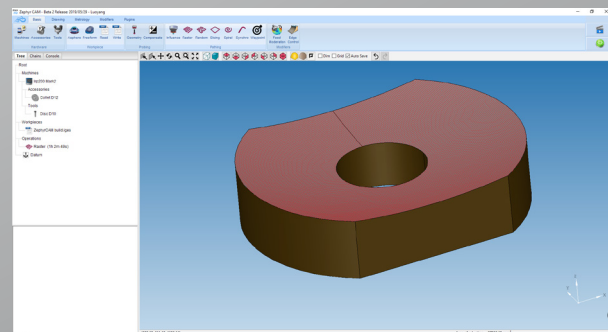
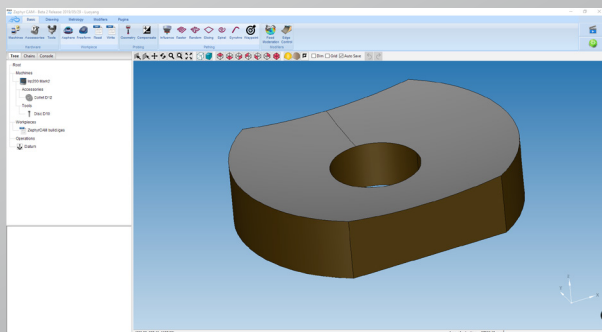
SIMULATOR

- Simulate tool paths and probing routines
- Proximity based collision detection with automatic collision avoidance





- Rapidly generate complex toolpath strategies
- Supported tool paths (Raster, Random, Spiral, Synchro)
- Automatic tool path calculations for complex geometries
- Automatic tool path calculations for simple geometries
- CNC generation for a wide range of machines

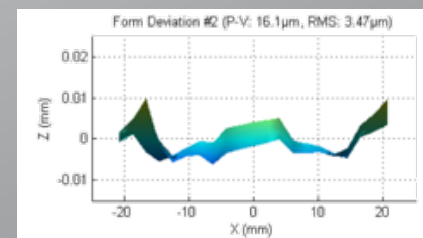
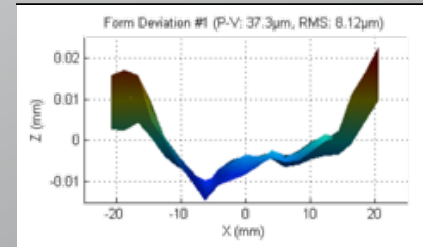
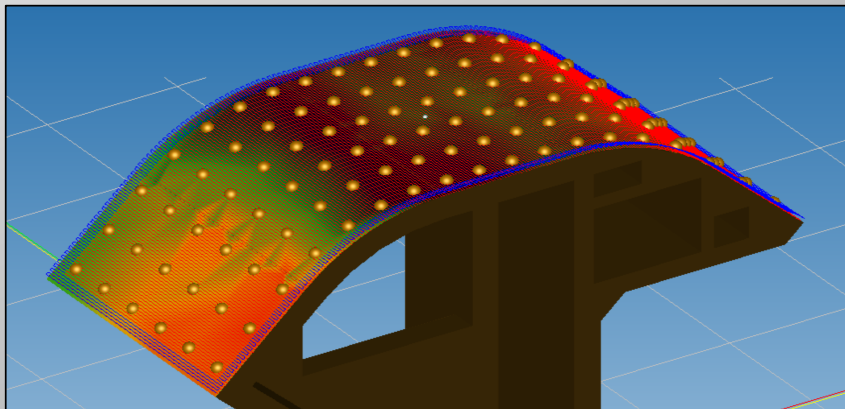


- Access difficult surface areas
- Customisable tool geometry
- Customisable tool altitude
- Automated collision avoidance



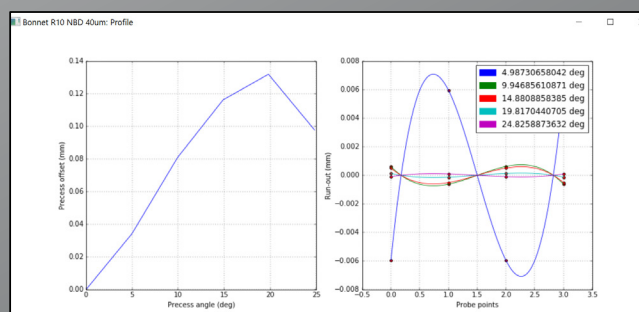
ZEPHYRCAM

- Experience new and exclusive software capabilities
- Corrective polishing
- Compensation of kinematic errors
- Surface roughness predictor

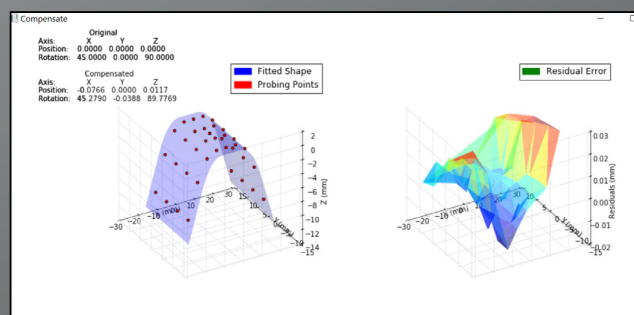


PROBING INTEGRATION

- Simulate tool paths and probing routines
- Import probing data to be used for compensation



Compensate for tool profile errors

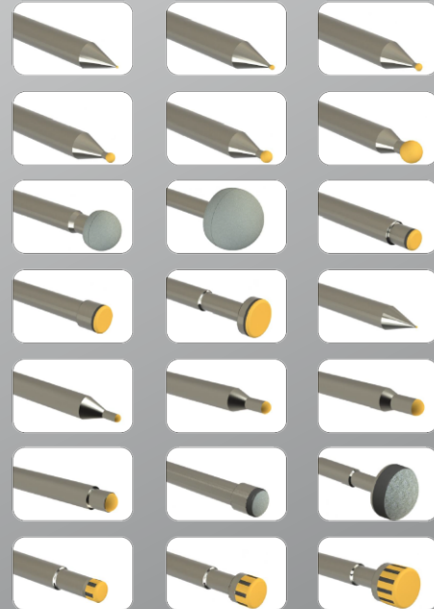


Compensate for workpiece errors (Deformation/ Misalignment)



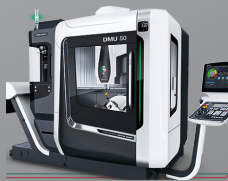
TOOLS

- Wide range of Zeeko tools available
- Design your own custom tools
- Increase productivity

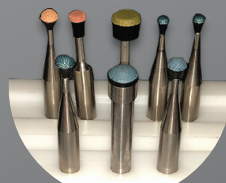


EXTENDIBILITY

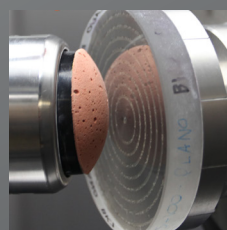
- Experience new functionality by writing or downloading custom plugins



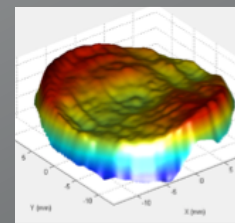
Machine
plugins



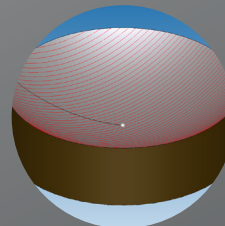
Tool plugins



Workpiece plugins



Modifier
plugins



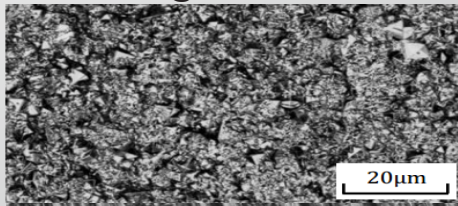
Tool-Path
plugin



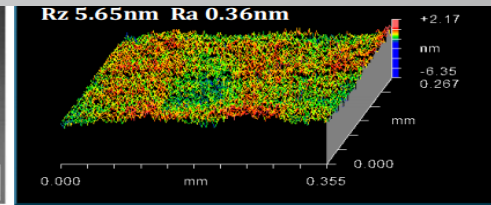
RESULTS

CVD SiC

Starting Condition

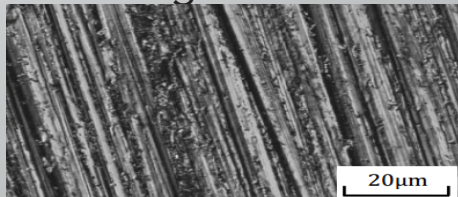


Finished Condition

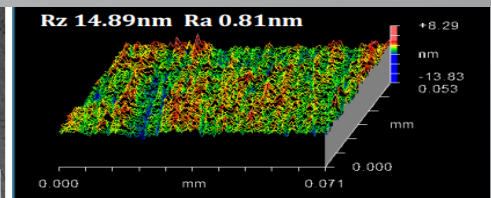
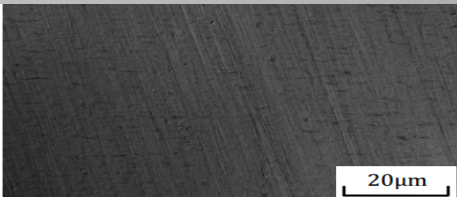


STAVAX

Starting Condition

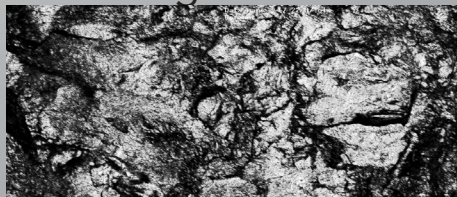


Finished Condition

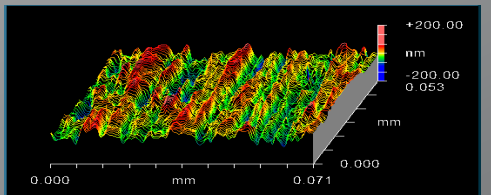
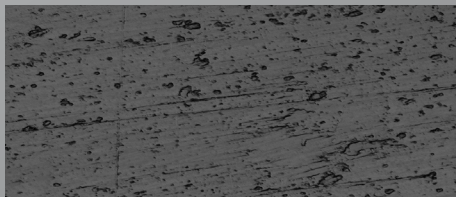


Ti6Al4V

Starting Condition



Finished Condition

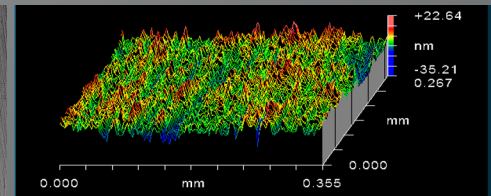
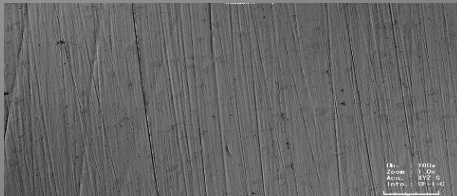


Co-Cr

Starting Condition



Finished Condition

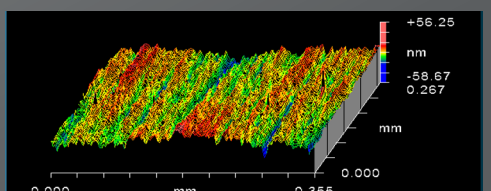
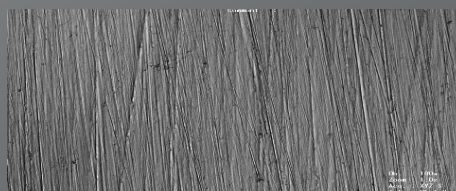


INCONEL

Starting Condition



Finished Condition





MACHINES



Software support for a wide range of machines:

IRP50, IRP100, IRP200-MKII, IRP400, IRP600, IRP800, IRP1200,

Fanuc Robodrill, Makino, DMG, Mazak, Doosan, Kern Pyramid, Alzmetall

Easily integrate new machines into the software through the powerful plugins mechanism



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