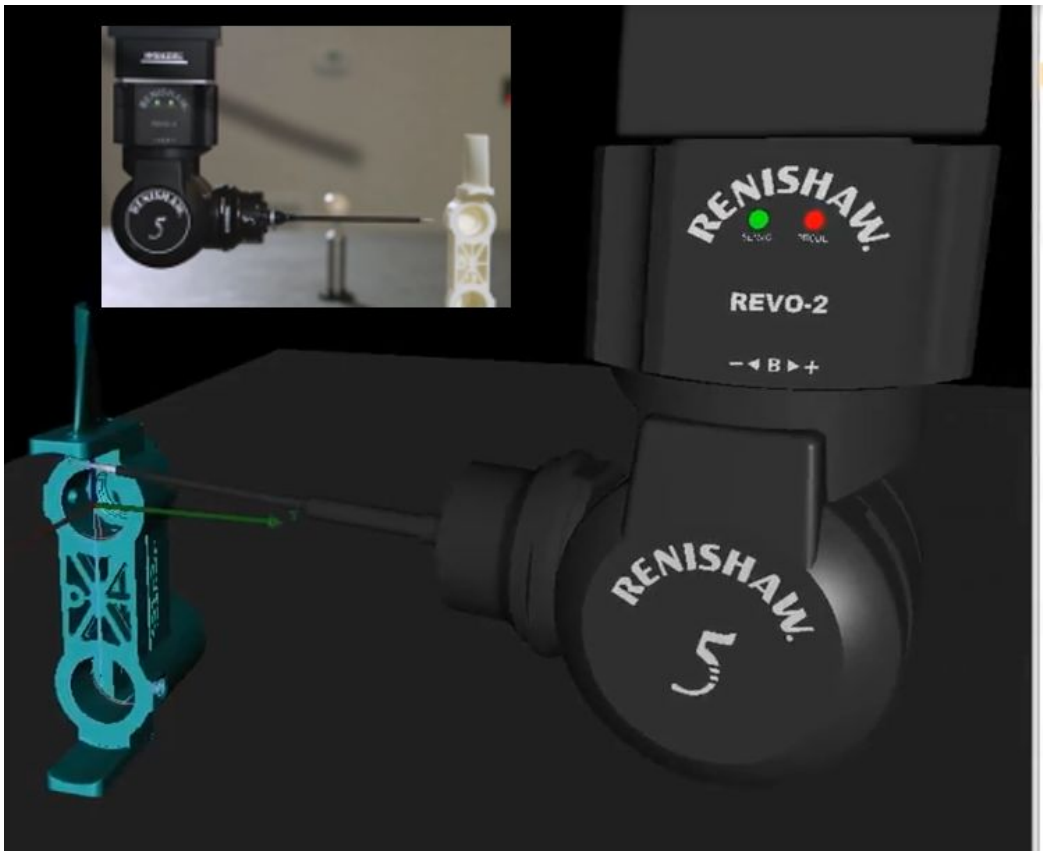
OpenDMIS 6.0 Enhancements



CORE M and MAXOS

Complex coordinate system rotations are now handled for up to 6 axes on these high speed optical CMM's. This adds to our already existing 6-axis functionality on Renishaw REVO machine with an additional rotary table – typically used in applications like aero engine blisk measurement.

Renishaw REVO

We have added new functionality to OD6, particularly for the easier handling of external diameters and shafts. Such measurements can now be easily programmed via the GUI as well as in DMIS code. Handling of the new RSP3-6 and associated styli are also incorporated.

Blade and Airfoil Inspection (requires OD Blade option)

New, powerful routines to inspect fir tree roots on turbine blades Support of different tolerances on the same profile Tangent pin fitting and output Fir tree can define multiple segment. Each segment has its own Color, Thickness, Tolerance, segment position definitions	Multiple segment best flt Improved Scanning Control (any scanning sensor) Greater control of scan point density, scanning speed Using control points or automatically from detection of rate of change of direction Improvements to adaptive (active) scanning

Tool Changer Support

OD6 can now support multiple and different types of tool racks as long as they are all mounted on the Renishaw MRS rack.

New Geometry features – Regular Polygons

Regular Polygons can now be inspected – in this release we support Hexagon and Octagon inspection. Useful in sheet metal inspection.

Other enhancements

Completely new integrated and indexed help file New AS9102 first article reporting included New mirror sensor function Automatically tolerance grouped features Updates to stay current with I++ standard Support for Romer, Tomelleri and MicroScribe flexible arms Support for DEVA036 video probe Selecting multiple surfaces and inspecting and reporting on them as if they were one Improvements in Xecute shop-floor user interface Interface to .XLSM Excel files Interface to .MDB Access database files Completely customizable report header Best ft enhancements – can use combinations of curves as well as geometric elements Edit DMIS code directly in program database window	ISO and Y14.5 profile tolerance symbols are supported in the output Custom styli now supported, including discs Any key on the ’10 key’ or numeric keypad can be assigned to any OD button on the UI Improvements in clarity of the UI including representing measured points as spheres of varying sizes 1 click search for measured feature names or by clicking the feature in graphics window Configured UI settings can be saved, exported (to install on other machines) and recovered. Each user can have a different UI. ENDFIL command is now configurable Plus another 500 lesser enhancements and bug fixes!