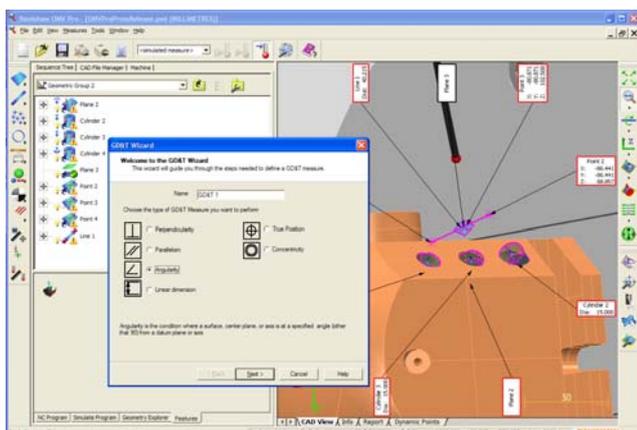


PC-based probe software now offers advanced on-machine part verification capabilities

Renishaw, the world's leading supplier of PC-based measurement software for CNC machine tools, is releasing Renishaw OMV Pro, a powerful package that works with touch probes to give advanced on-machine part verification and machine simulation capabilities. Building on the proven success of Renishaw OMV, the new Pro version adds advanced co-ordinate measuring machine (CMM) style functionality including constructed features and geometric dimensioning and tolerancing (GD&T), whilst users of complex multi-axis machine tools will also benefit from collision detection and the visualisation of complex machine geometries to simplify programming.

Available since 2005, [Renishaw OMV](#) software has allowed users of machine tool touch probes to quickly verify the accuracy of free-form and simple prismatic parts, without ever moving the part from the machine-bed. Its simple graphical interface and crystal-clear reporting formats have made the software accessible to shop-floor staff, and by enabling users able to see exactly what was cut, allow corrections to be made before the part is moved.

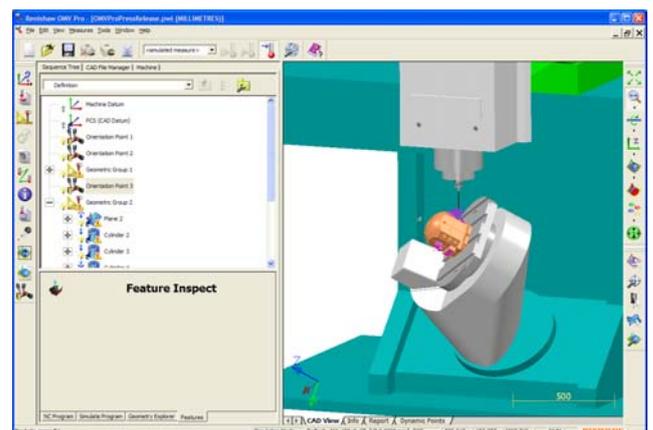
Significantly adding to these proven capabilities, the Renishaw OMV Pro package adds a 'constructed features' function that will be particularly beneficial to manufacturers needing to measure more complex geometric parts. Users will now be able to construct entities from other previously measured features, ideal for verifying components with a large number of prismatic features, or performing more complex prismatic measurements.



Renishaw OMV Pro features a powerful geometric dimensioning and tolerancing (GD&T) wizard

The power of Renishaw OMV Pro to handle the measurement of geometric components is also enhanced with a new geometric dimensioning and tolerancing (GD&T) wizard. This innovative function helps users through the process of creating standardised report elements based on internationally-recognised symbols. With this simplified process, users can now fully compare part measurement results taken on the machine to the manufacturing drawing, before removing the part from the machine and submitting it to a full off-machine inspection process.

To further increase confidence in the programming of touch probe routines, Renishaw OMV Pro adds a full machine simulation module which enhances the existing multi-axis module found in Renishaw OMV. This simulation capability is especially powerful when developing programmes for complex geometries, common in multi-axis machine tool environments. The Renishaw OMV Pro software can quickly simulate and detect collisions involving the part, machine, or probe, before running the program for real, avoiding the potential for costly breakages and machine downtime.



The new machine simulation module reduces the risk of error

The addition of Renishaw OMV Pro strengthens the company's position as the world's leading key supplier of probing software for CNC machine tools. Together with the Renishaw OMV and [Productivity+™](#) software, the range now covers every aspect of on-machine measurement, from graphical reporting through to process control and process capability measurement.

More details can be found at www.renishaw.com/mtp.