



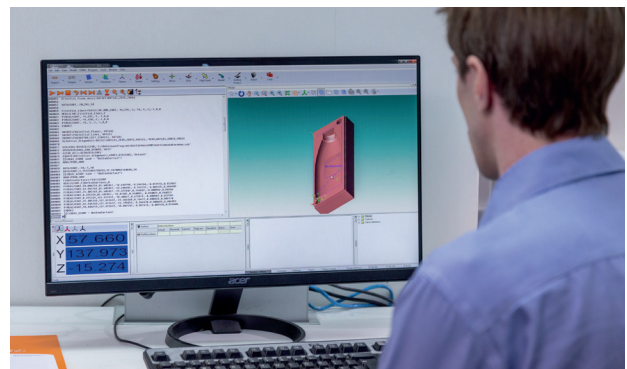
MODUS™ IP

On-machine inspection software

Take CMM-type inspection onto your CNC machine tool

MODUS IP, built on Renishaw's MODUS metrology software technology, brings CMM-type programming capabilities to the shopfloor. It enables in-process part verification before parts are removed from machine tools.

Designed for both high-value, low-volume components or sample inspection of production parts, the software supports the full range of Renishaw machine tool probes to perform precision verification of complex 3D shaped parts – 2D and 3D features, free-form surfaces, geometric features and more.



Create measurement cycles without macro programming

MODUS IP uses Renishaw's powerful MODUS metrology software, allowing quality engineers and metrology specialists with no previous macro programming knowledge to create measurement cycles for CNC onmachine verification.

Instant graphical report for immediate action

Have confidence in your measurement results. Data captured by MODUS IP is displayed on the CAD model for immediate action, while a detailed graphical report can be saved automatically or output for quality assurance purposes.

Key features and benefits

Increase efficiency

Reduce rework and minimise scrap - save time by verifying a part before removing it from the machine tool. Eliminate re-loading and alignment errors when further machining is required.

Reduce CMM inspection requirements

On-machine verification using MODUS IP reduces the number of parts requiring CMM inspection.

Ease-of-use

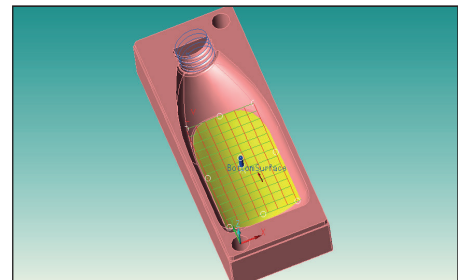
Consistent user experience when creating CMM and on-machine measurement cycles.

Immediate process feedback

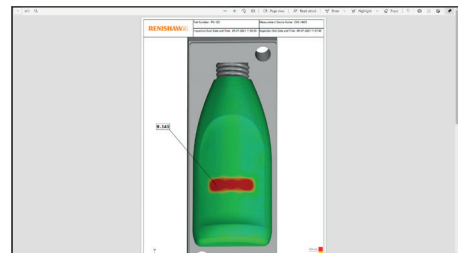
Captured data is displayed on the CAD model enabling instant Go/No-Go decisions.

Clear and detailed reporting

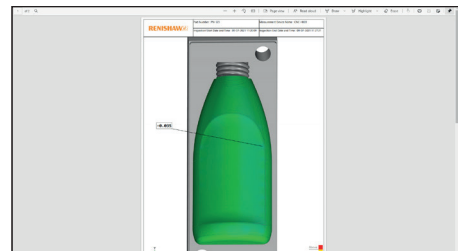
- A wide range of full-colour pictorial inspection reports using the CAD model
- Create reports using new or existing layouts, with the help of our page layout assistance wizard
- Results can be output in a range of formats for use with third party applications or directly to the Microsoft® SQL Server database.



Creating grid of points to inspect surface



Heatmap showing deviation in surface profile



Heatmap showing good surface profile

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