

## Renishaw Co-ordinate Measuring Machines Product Division

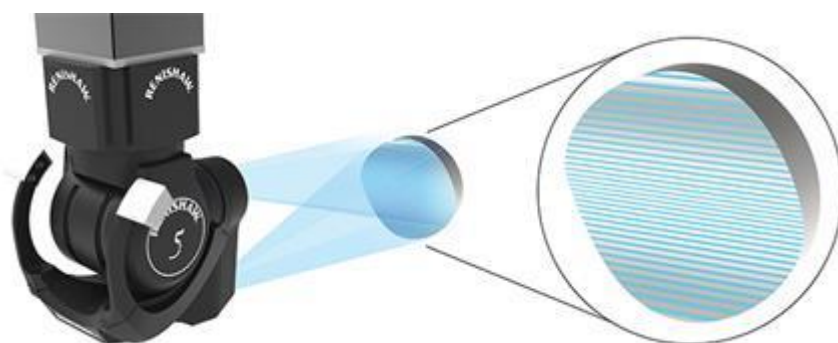
### Product bulletin number: PBC-02715

<b>Title:</b>	MODUS 1.11 Release		
<b>Product:</b>	MODUS 1	<b>Issue Date:</b>	15/09/2020
	<b>Name:</b>	<b>Signature:</b>	
<b>Originator:</b>	Tom Lewis	Tom Lewis	
<b>Reviewer:</b>	Andy Holding	Andy Holding	
<b>Confidentiality:</b>	Open	<b>Type:</b>	Product Information
<b>Summary:</b>			
This bulletin is to advise that MODUS 1.11 has now been released. It contains a brief overview of the functionality and operational changes since MODUS 1.9. Full details can be found in the software release notes.			
<b>Distribution – Select at least one</b>			
<input checked="" type="checkbox"/> Subsidiaries <input checked="" type="checkbox"/> Customers <input checked="" type="checkbox"/> Service centres <input checked="" type="checkbox"/> OEMs, Agents & Distributors			

### Functionality

**REVO fringe probe (RFP) support**  
– MODUS 1.11 is the first release with full support for RFP inspection.

The three options for measurement are:



1. RFP Inspection Planner – calls the external application for path planning and generating DMIS programs from CAD. Access and GOTO moves are automatically calculated and can be simulated before creating DMIS.
2. Fringe Set – for quick capture of a single fringe set. Useful for checking returned data at a specific position or feature during inspection routine planning.
3. Image – captures 2D images for RVP type vision measurement functions.

If you have any questions or comments on this bulletin, please contact [cmm.support@renishaw.com](mailto:cmm.support@renishaw.com)



## Enhancements to surface finish measurement

- New surface finish parameters have been added to both the MODUS surface texture – standard, and the MODUS surface texture - advanced\*\* licences:
  - o Rdc\*, Rvc\*, Rp1\*, Rv1\*, Rvo\*\*, Rpkx\*\* and Rvkx\*\*
- Improved error handling when using surface finish probes
- Independent decimal place control is now available for surface finish outputs

## CAD import licence removal

All supported CAD model formats can now be opened in MODUS 1.11 with no CAD licence being required. PMI model import (previously referred to as “....manufacturing option”) is still a chargeable add-on.

A complete list of new features can be found in the MODUS 1.11 New Features and Enhancements document available on the Renishaw website from the [CMM support and downloads area](#).

## Supported Operating Systems

MODUS 1.11 will run with:

- Windows 10 Pro and Enterprise 64-bit
- Windows 7 64-bit Professional, Enterprise and Ultimate (Service Pack 1 minimum)

To prevent possible data corruption occurring with newer hard drive types, we recommend the installation of the Windows hotfix available from this link:

<https://support.microsoft.com/en-us/kb/982018>

**ATTENTION:** This is the last version of MODUS which will support Windows 7. Future releases of MODUS software will support Windows 10 only.

## Licences

MODUS CHART is available free of charge if a customer already has a licence for MODUS 1.11. The CHART licence must still be ordered and then added to the customer dongle (orange dongle only).

Until now, PMI CAD import capability has needed a separate licence for each format. This is now a single licence which allows any PMI CAD model to be imported into MODUS 1.11. The new licence has the part number M-5639-5710.

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The Fringe Inspection Planner and Fringe Digitiser also require separate licences. Details of these will follow in the RFP bulletin.

### New part numbers

For details on pricing, please contact your local Renishaw supplier.

<b>MODUS 1.11 new licences</b>	<b>Part number</b>
<b>Customer Licences – Permanent</b>	
MODUS PMI CAD licence	M-5639-5710
<b>Maintenance</b>	
MODUS PMI CAD licence – 1 year maintenance	CS-SOF-MAINT-01-4044
MODUS PMI CAD licence – 1 month maintenance	CS-SOF-MAINT-01-4045