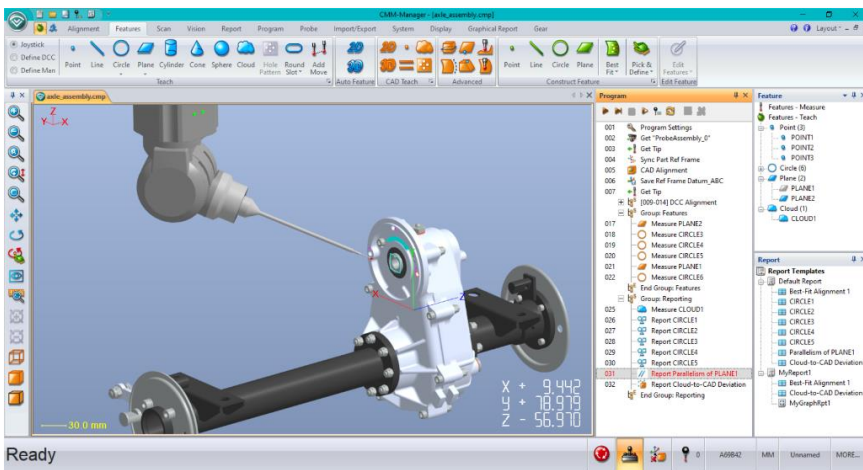# CMM-Manager 2022

What's New

CMM-Manager 2022

version 12.2.1.8730

Overview

- Added support for Renishaw REVO-2 head
- CAD Import and Rendering Improvements
- Reporting Enhancements
- VBScript Enhancements
- Vision Enhancements
- 20+ Customer Specific Requests Addressed

Language Support

English, Chinese, Czech, French, German, Italian, Japanese, Polish, and Spanish

CAD Importer Support

Spatial 3D InterOp Release 2023 1.0   The following formats and their versions are supported:

- ACIS - R1 – 2022 1.0
- CATIA - V4 – 4.1.9 - 4.2.4
- CATIA - V5/V6 V5 – R8 - V5/6 R2022
- DWG - 2.5 – 2023
- Inventor - V11 – 2023
- JT - JT 8.x, 9.x, 10, 10.2 - 10.7
- NX - NX 1 – NX 2206
- Parasolid - 9.0.x – 35.0.149
- Pro/E - 16 – Creo 9.0
- Solid Edge - V18 – SE 2022
- SolidWorks - 2003 – 2022
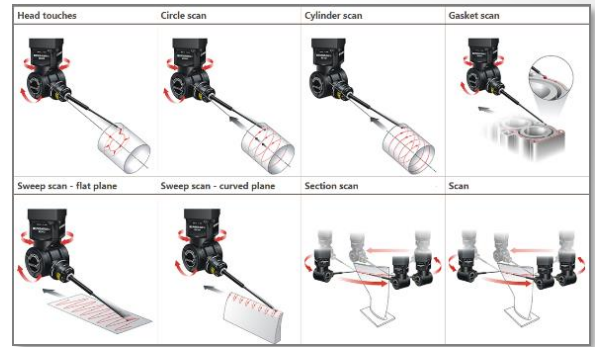- STEP – AP203, AP214, AP242
- VDA-FS – 1.0 – 2.0

What's New:

- Renishaw Revo support

- Reworked Custom Report Title / Labeling

- Expand / Collapse Operations in Program Database

- Retain unique surface color(s) during 3D CAD Import

- Driver Updates for Faro Quantum Max, Romer Absolute, Tomelleri Arm, Nikon VMZ-S, I++ Rotary, zCat, PH20-MT

- 20+ customer specific requests addressed

3S SPATIAL

Notable Enhancements

- Renishaw Revo-2
  - Supports RSP-2 and RSP-3 probe components
  - Features - Circle, Cylinder, Cone, Plane, Line, Slot
  - Clouds - Gasket, Sweep & Section Scan
- Reworked custom Report Title / Labels
- Expand / Collapse Operations in Program Database
- Retain unique surface color(s) during 3D CAD Import
- Set VB Variable from Shop Floor Launcher
- Add User Notes to Graphical Report
- VB Commands to access Best-Fit XForm data
- Improved Renishaw I++ Sync / X-Path
- Import CAD by Drag-n-Drop
- Rearrange Report to Match Program Order
- Include Profile in DataPage/+ Report Format
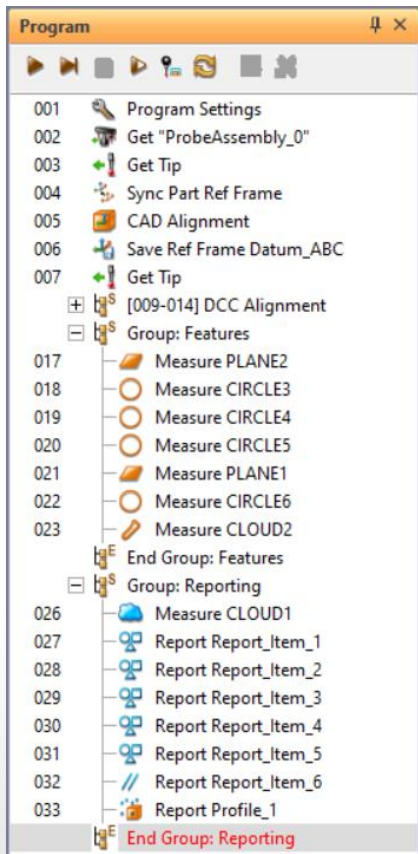- Supports 3Dconnexion Keyboard Pro & Numpad Pro
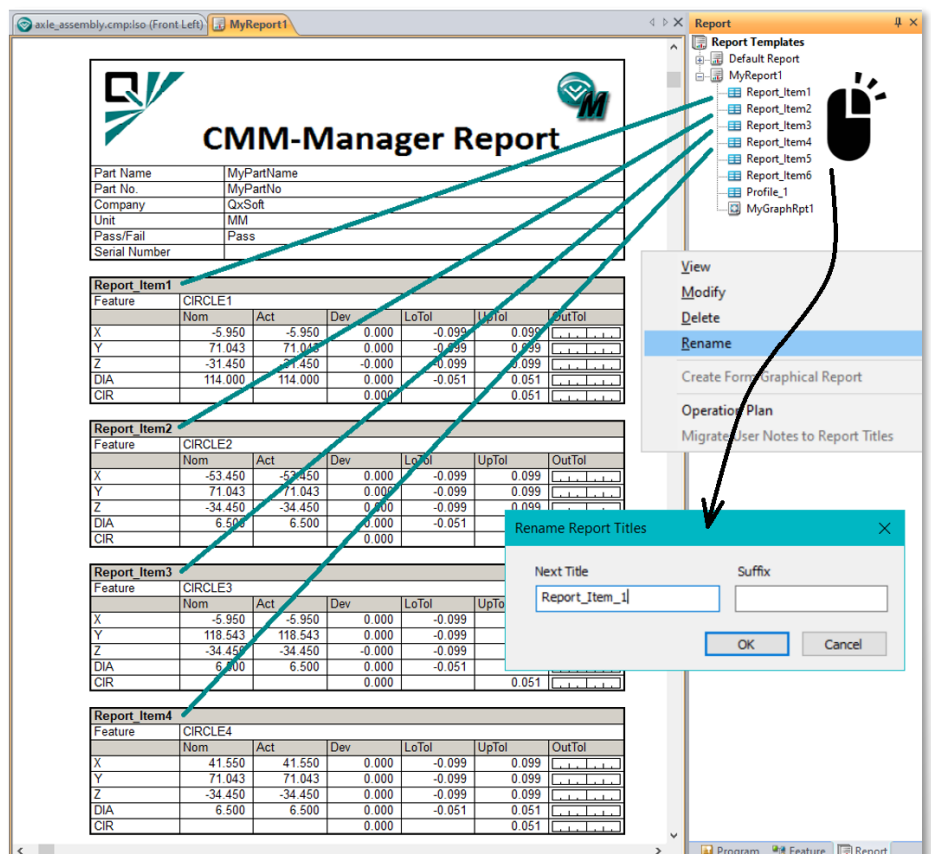

AVAILABLE REVO FEATURE & CLOUD SCAN METHODS

SUPPORTS 3DCONNEXION KEYBOARD PRO & NUMPAD PRO

IMPORT CAD RETAINING UNIQUE SURFACE COLORS

EXPAND / COLLAPSE PROGRAM DATABASE

ADDED CUSTOM TITLES FOR ALL REPORT ITEMS - E.G. BALLOON NUMBERS

Driver Updates

- **Faro Arm -** Quantum Max – supports latest FARO USB Drivers
- **Hexagon / Romer / MCAx -** Direct connection via RDS - NM-API no longer required
- **Tomelleri Arm -** 64-bit support via T-Core utility
- **MCA-I / Garda Arm -** Added 64-bit support
- **Mitutoyo UC -** Fixed DCC parameters were not scaled to Scale Factor
- **Pantec -** Add SP25 unknown scan end zone size setting / fixed SP25 rack change issue
- **Nikon -** Add support for Nexiv VMZ-S
- **I++ -** Add support for rotary table / Add support for PH20-MT
- **zCat -** Supports latest firmware

Bug Fixes

- QX PDF Writer did not show the file explorer window when printing
- Exported DXF curves could not be opened in SolidWorks, NX, etc.
- Construction of intersection point of Line and Circle may fail
- Construct point by move the point along its normal vector created an incorrect vector
- Path planning issues:
    - Could not create path with star probe in some cases
    - Could not create PH20 paths for cylinders with -Z axis in some cases
    - Could not create PH20 paths for OD circles in some cases
- Tactile Complex 2D point generation didn't consider depth if CAD model contains curves only
- CAD 3D Pick failed to identify cylinder/cone/sphere on some models
- CAD Measure Cloud did not retain point labels from CAD Cloud
- CAD Measure 3D not setting partial sphere range correctly
- Newly created Edge/Angle Point measurement not keeping verified actual data
- OD Ellipse measured with probe comp could have major and minor axes swapped
- Preference "Use point order for line direction" did not work
- Auto Feature on Arm would not take point after first feature was measured
- Failed to create cross section curve on some closed/periodic NURBS surface
- Failed to import points via ASCII file format with trailing spaces on data line

Supported Operating Systems

- Windows 11 Pro or Enterprise
- Windows 10 Pro or Enterprise
- *Windows 7 SP1 Pro, Enterprise or Ultimate

* CAD Converter 2022 or later no longer supports Windows 7, but CAD Converter 2021 can be used with CMM-Manager 2022 on Windows 7

How to Upgrade

- Users that have purchased new software on or after September 1, 2021, or have active SSC / Software Maintenance are eligible for free upgrade to CMM-Manager 2022
- Contact our support team to request license update – license@qxcmm.com
- Download at - qxcmm.com/download