

System requirements

Minimum

Adequate for use when probing with single-point probing devices and using CAD files that are smaller than 50 MB.

CPU:	Dual-Core CPU
RAM:	4 GB
Graphics cards:	Hardware accelerated, professional OpenGL graphic card (such as a NVIDIA Quadro® series card) equipped with 1 GB of memory
Operating system:	64-bit Microsoft® Windows 7, 8.1 or 10, Professional Edition
Input device:	Two-button mouse with wheel

Recommended

Covers a broad range of applications, including using large CAD models and laser scanning large parts with a high resolution

CPU:	Quad-Core CPU
RAM:	32 GB
Graphics cards:	NVIDIA Quadro® series graphic card equipped with 2-4 GB memory (PolyWorks profiles can be managed and configured in the 3D settings of these graphics cards)
Operating system:	64-bit Microsoft® Windows 7, 8.1 or 10, Professional Edition
Hard Drive:	SSD (system and programs), HDD (data)
Input device:	Two-button mouse with wheel, 3DConnexion SpaceMouse®

Operating system for FLEXnet-Server

(requirements for floating license)

32-/64-Bit Operating system	Microsoft® Windows 10 Pro Microsoft® Windows 8.1 Pro Microsoft® Windows 7 Pro Microsoft® Windows Server 2012 R2
64-Bit	Microsoft® Windows Server 2016 Red Hat® Enterprise Linux 6 und 7 SUSE® Linux Enterprise Server 11 und 12

Supported devices

Arms

- Faro
- Hexagon (Cimcore, Romer)
- Nikon Metrology
- Mitutoyo
- Kreon
- Tomelleri-SpaceArms
- RPS Metrology

Laser trackers

- API
- Faro
- Hexagon (Leica)

Theodolites

- TDRA6000

Optical trackers / Photogrammetry

- Aicon
- Creaform
- Geodetic

- Metronor

- NDI
- Nikon Metrology
- Steinbichler
- Zeiss Optotechnik

Manual CMMs

- CMM-OS
- Deva
- Hexagon
- I++
- Mitutoyo
- MZ1060 (Zeiss)
- Nikon
- Pantec
- Renishaw
- Samssoft
- Wenzel

Third-party supplier

- Tomelleri-SpaceArms

NVIDIA Certified Graphics Cards and Drivers for PolyWorks 2017, 2018, 2019

64 bit

Quadro RTX

Card: 4000, 5000, 6000, 8000

Quadro

Card: P6000, P5000, P4000, P2000, M6000, M5000, M4000, M2000, K5200, K4200, K2200, M4000, M2000, K5200, K4200, K2200, K620, K420, K5000, K4000, K2000, K6000

Win10 x64: [431.86](#)

Win8 x64: [431.86](#)

Win7 x64: [431.86](#)

32 bit

Quadro

Card: P6000, P5000, P4000, P2000, M6000, M5000, M4000, M2000, K5200, K4200, K2200, K620, K420, K5000, K4000, K2000, K6000

Win10 x32: [390.77](#)

Win8 x32: [390.77](#)

Win7 x32: [390.77](#)

Data formats

Data formats 3D digitizing systems

PolyWorks data formats

POL-Format:	Polygon meshes
PF-Format:	Point clouds from planar grid scanners
PSL-Format:	Point clouds from line scanners

Supported 3D data - import formats

Planar grid scan formats:

3D-Digital, 3D Scanners, Breuckmann, CNRC, Cognitens, Cyberware, Genex, GOM, HoloVision, HyMarc, IMetric, Kreon, Konica Minolta, Nikon Metrology, Nub3D, Optech, Opton/ EOIS, ShapeGrabber, Solutionix, Steinbichler, Voxelan

Line scan formats:

3D Scanners, Carl Zeiss, KREON, Hexagon Leica, Metron, Nikon Metrology, Perceptron, Steinbichler, Wolf&Beck

Spherical scan formats:

3rd Tech, FARO LS, iQVolution, Leica, Mensi, Optech, Riegl, Surphaser, Topcon, Z+F

Unorganized point clouds (import & export):

ASCII, Laser Design, IGES, Perceptron, LAS

Formats for polygon meshes

Import / export:

CNRC, PLY, NAS, STL (ASCII and Binary), OBJ, VRML 2.0, JT, POL + PQK (PolyWorks Binary format)

Other export formats

Cross sections in ASCII, DXF, IGES and Inventor, Bezier curves in ASCII- and IGES-Format, NURBS-Surfaces in IGES- and STEP-Format, 2D-Sketches in IGES, STEP, CATIA, Siemens NX (UG), Creo, SolidWorks, Inventor and DXF, Measurements and tables to DMIS or Q-DAS.

Supported CAD-import formats

Standard:	ACIS SAT, IGES, STEP
Optional:	CATIA V4, V5 und V6, Inventor, Creo (Pro/E), SolidWorks, Siemens NX (UG), VDA-FS, JT, Parasolid

Report formats

PolyWorks layout generator:

With the report layout generator formatted reports can be created. Thereby it is possible to define layouts and use them for creating reports

Report formats:

ASCII - Text, HTML, PDF

Report objects - export formats

Report objects can be exported in the following formats:

ASCII - Text, DXF, HPGL, HTML, Microsoft Excel®, Microsoft Word®, PDF, SVG

PolyWorks|ReViewer™

Free 3D viewer to view PolyWorks projects with simple basic measurement and report functionality.

PolyWorks|WebViewer™

Tool for analysis an reports in PolyWorks|DataLoop™

PolyWorks|Talisman™

The PolyWorks|Talisman™ app runs on mobile computers and communicates with PolyWorks® over a Wi-Fi connection.

Apple Bonjour Service, iOS Gerät (min. iOS 5.0), Android (min. 4.1 Jelly Bean).