



AUTODESK® POWERINSPECT®

Multi-device 3D inspection software

Feature Comparison

Feature Description	PowerInspect Standard	PowerInspect Premium	PowerInspect Ultimate
CAD imports			
Neutral CAD import	✓	✓	✓
Third party CAD import	✓	✓	✓
Hardware Connectivity			
Manual device connection	✓	✓	✓
Non-contact inspection (laser scanning, optical devices)		✓	✓
Automated device connection (CNC, DCC CMM, machine tool probing)			✓
Error mapping for CMM		✓	✓
Dual device manual inspection		✓	✓
Machine tool probe calibration			✓
3+2 axis / 5 axis machine tool probing			✓
Dual column CNC inspection			✓
Import / Export			
Import CAD File	✓	✓	✓
Import multiple CAD Files		✓	✓
Export measured features to CAD	✓	✓	✓
Export point cloud ASCII/mesh/STL		✓	✓
Part Alignment- export machining work offset		✓	✓
Electrode .trode import and update			✓
General			
Geometric selection from CAD	✓	✓	✓
Real-time laser connection		✓	✓
Repeated measures		✓	✓
Point cloud meshing /stl creation		✓	✓
Simulation probe/machine			✓
Automated batch measurement			✓

More Information

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Feature Description	PowerInspect Standard	PowerInspect Premium	PowerInspect Ultimate
Alignments			
Geometric alignments	✓	✓	✓
Free form fit alignments		✓	✓
RPS alignment with surface		✓	✓
Best fit		✓	✓
Datums	✓	✓	✓
Geometric-Based Inspection			
Probed geometric features	✓	✓	✓
Constructed geometric features	✓	✓	✓
Dimensioning	✓	✓	✓
Geometric dimensioning and tolerancing (GD&T)	✓	✓	✓
Reuse points to build a feature		✓	✓
CAD-Based Inspection			
Surface inspection		✓	✓
Edge inspection		✓	✓
Section inspection		✓	✓
Raster surface inspection			✓
Point cloud measurement			
Measure point cloud	✓	✓	✓
Point cloud curve collection	✓	✓	✓
Automotive digitizing- curve creation, editing and import		✓	✓
Point cloud laser scanning		✓	✓
Point cloud file import		✓	✓
Point cloud CAD comparison		✓	✓
Point cloud geometric features		✓	✓
Reporting			
Labels	✓	✓	✓
Single page report	✓	✓	✓
Full report	✓	✓	✓
SPC Output		✓	✓

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