HEXAGON

Cx Geomagic Control X

Compare Price Plans

Geomagic Control X offers three software plans
to best fit your inspection needs.

I/O	Essentials	Essentials Connect	Professional
Import/Export Neutral CAD (IGES, STEP, etc.)	✔	✔	✔
Import/Export Neutral Scan (STL, PTS, etc.)	✔	✔	✔
Import/Export Native CAD & Scan data	✕	✕	✔
Import PMI CAD	✕	✕	✔
Import ASCII Geometry	✕	✕	✔
AUTOMATION			
Repeatable Inspection (Replace Measured Data)	✔	✔	✔
Scan Process	✕	✕	✔
Batch Process	✕	✕	✔
Automation Server	✕	✕	✔
Visual Scripting	✕	✕	✔
Python Scripting	✕	✕	✔
Replace Reference Data	✕	✕	✔
ALIGNMENTS			
Initial Align	✔	✔	✔
Best fit	✔	✔	✔
RPS	✔	✔	✔
Datum	✔	✔	✔
3-2-1 Alignment	✔	✔	✔
Coordinate Align	✔	✔	✔
Transform	✔	✔	✔
Adaptive	✕	✔	✔
Homing	✕	✔	✔

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	Essentials	Essentials Connect	Professional
COMPARE			
3D Compare	✔	✔	✔
2D Compare	✔	✔	✔
Compare Points	✔	✔	✔
Geometry Deviation	✔	✔	✔
Boundary Deviation	✕	✕	✔
Virtual Edge Deviation	✕	✕	✔
Silhouette Deviation	✕	✕	✔
Curve Deviation	✕	✕	✔
Plots	✕	✕	✔
Airfoil	✕	✕	✔
2D Twist	✕	✕	✔
Deviation Location	✕	✕	✔
REFERENCE GEOMETRY			
Simulated CMM Point	✕	✔	✔
All Other Ref Geom. (Vector, Plane, Pt. etc.)	✔	✔	✔
SCANNER DIRECT CONTROL			
Scanner Plugins (Creaform, Shining 3D, etc.)	✕	✔	✔
LiveScan, LiveInspect, LiveGeometry, etc.	✕	✔	✔
Move Device, Probe Sequence, etc.	✕	✔	✔
CAD TOOLS			
Delete	✔	✔	✔
Reverse Normal	✔	✔	✔
Convert to Mesh	✔	✔	✔
Assign Tolerance	✔	✔	✔
Transform Body	✔	✔	✔
Healing, Find Defect	✔	✔	✔
Sew, Split	✕	✔	✔
Offset, Thicken, Mirror, Separate	✕	✔	✔
SCAN TOOLS (MESH/POINT)			
All (Merge, Fill Holes, Filter Noise, etc.)	✔	✔	✔
REGION TOOLS			
All	✔	✔	✔

	Essentials	Essentials Connect	Professional
GD&T			
All (2D & 3D)	✓	✓	✓
CURVE TOOLS			
Spline, Section, Intersection, Boundary	✓	✓	✓
Offset, Project, Mirror, Convert	✕	✕	✓
UV Curves, Fit Spline, Smooth, Trim, Extend	✕	✕	✓
Split, Match, Merge	✕	✕	✓
Insert & Remove Node, Remove Constraint	✕	✕	✓
Contour Curve from 3D Compare	✕	✕	✓
MULTI-RESULT INSPECTION			
Single-Result Inspection	✓	✓	✓
Multi-Result Inspection	✕	✕	✓
REPORT TOOLS			
All	✓	✓	✓
ADD-INS			
Script Add-in, etc.	✕	✓	✓

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