Cx Geomagic Control X

Plans Comparison Chart

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

Main Feature	Detailed Feature	Essentials	Essentials Connect	Professional
Basic I/O	Import/Export Neutral CAD (IGES, STEP, etc.)	•	•	•
	Import/Export Neutral Scan (STL, PTS, etc.)	•	•	•
Advanced I/O	Import/Export Native CAD & Scan data			•
	Import PMI CAD			•
	Import ASCII Geometry			•
Automation	Repeatable Inspection (Replace Meas. Data)	•	•	•
	Scan Process			•
	Batch Process			•
	Automation Server			•
	Visual Scripting			•
	Python Scripting			•
	Replace Reference Data			•
Alignments	Initial Align	•	•	•
	Best fit	•	•	•
	RPS	•	•	•
	Datum	•	•	•
	3-2-1 Align	•	•	•
	Coordinate Align	•	•	•
	Transform	•	•	•
	Adaptive		•	•
	Homing		•	•
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.		•	•

Basic CAD Tools	Delete	•	•	•
	Reverse Normal	•	•	•
	Convert to Mesh	•	•	•
	Assign Tolerance	•	•	•
	Transform Body	•	•	•
	Healing, Find Defect	•	•	•
Advanced CAD Tools	Sew, Split			•
	Offset, Thicken, Mirror, Separate			•
Scan Tools (Mesh/Point)	All (Merge, Fill Holes, Filter Noise, etc.)	•	•	•
Region Tools	All	•	•	•
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.			•