Cx Geomagic Control X

Geomagic Control X Editions

Detailed Feature Comparison Chart

Main Feature	Detailed Features	Control X Essentials	Control X Essentials Connect	Control X Professional
Basic I/O	Import/Export Neutral CAD (IGES, STEP, etc.)	•	•	•
	Import/Export Neutral Scan (STL, PTS, etc.)	•	•	•
Adv. I/O	Import/Export Native CAD			•
	Import PMI CAD			•
	Import ASCII Geometry			•
Automation	Repeatable Inspection (Replace Meas. Data)	•	•	•
	Scan Process			•
	Batch Process			•
	Automation Server			•
	Visual Scripting			•
Alignments	Initial Align	•	•	•
	Best fit	•	•	•
	RPS	•	•	•
	Datum	•	•	•
	3-2-1 Align	•	•	•
	Coordinate Align	•	•	•
	Transform	•	•	•
	Adaptive		•	•
	Homing		•	•
Compare	3D Compare	•	•	•
	2D Compare	•	•	•
	Cmp Pts	•	•	•
	Geometry Dev	•	•	•
	Boundary Dev			•
	Virtual Edge Dev			•
	Silhouette Dev			•
	Curve Dev			•
	Plots			•
	Airfoil			•
	2D Twist			•
	Deviation Location			•

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Category	Feature			
Ref. Geom	Sim CMM Point		•	•
	All Other Ref Geom. (Vector, Plane, Pt, etc.)	•	•	•
Scanner Direct Control	Scanner Plugins (Creaform, Cobalt, 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	•	•	•
Adv CAD Tools	Sew, Split			•
	Offset, Thicken, Mirror, Separate			•
Scan Tools (Mesh + Points)	All (Merge, Fill holes, Filter Noise, etc.)	•	•	•
Region Tool	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.			•

Get In Touch

Contact us for a demo at oqton.com/contact-us

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