

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			✓
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		
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	✓	✓	✓
Adv CAD Tools	Sew, Split,			✓
	Offset, Thicken, Mirror, Separate			✓
	Healing, Find Defect			✓
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.			✓