

Vector Point Data Import

Table of Codes

ID Code	Description	Example	Notes
Start	Identifies the starting point of a block		In the Vector Point file you can have an unlimited number of blocks. This allows you to group common data point clouds together, especially when running under DCC which will allow you run one point at a time or auto-run all points at once.
Stop	Identifies the ending of a block		
N:	identifying name of the block	N:Sample Block Left Side	
U:	Unit of Measure (UOM)	U:Inch U:metric U:mm	The filtering of this data occurs by extracting the first letter after the "U:". If the first letter is a "m" then it switches to metric mode, otherwise it will default to inch.
H:	High Tolerance Value	H:0.002	
L:	Low Tolerance Value	L:-0.001	Low tolerance value requires that you use the "-" sign if you intend the value to be negative.
E:	Probe Deviation Error	E:0.0002	
M:	Text Statements	M:Sample Text	Text Statements are used to create a standard text statement in geomet. This will create a new feature which will become part of your part program.
S:	Standoff Distances	S:0.5	This value represents the stand off distance from the target point. The direction to the target point is controlled by the IJK values supplied.
O:	Overtravel	O:0.25	This value represents the search distance along the IJK vector beyond the expected target. This value should not be a negative number.
	XYZ IJK Vector Point Data	1.0, 1.0, 1.0, 0.0, 0.0, 1.0	You are not required to enter a preceding code for the actual data for each vector point.

Vector Point Import Samples

Sample Entry	Notes
Start	<i>Identifies the start of block one</i>
N:Sample Block One	
U:Inch	
H:0.002 L:-0.002	<i>You can mix H: and L: on the same line.</i>
S:0.5 O:.25	<i>You can mix S: and O: on the same line.</i>
E:0.0002	
M:Vector Points taken along the top surface	<i>General text statement in the Geomet report</i>
1.25, 2.125, 0.00, .707, .707, .707	<i>XYZ IJK Format using comma delimited</i>
1.25 2.125 0.00 .707 .707 .707	<i>XYZ IJK Format using space delimited</i>
M:Vector Points taken along the Side surface	<i>Add notes in any location</i>
O:0.75	<i>Change any attribute during the inspection</i>
2.125, 1.25, -0.55, 0.00, 1.00, 0.00	
Stop	<i>Identifies the end of block one</i>
Start	<i>Identifies the start of block two. Note that this block contains no identifying name or attributes. Geomet will identify this group of data as "Block 2" when no name exists. Any attributes not found in the block will be prompted upon</i>
1.25, 2.125, 0.00, .707, .707, .707	
1.25 2.125 0.00 .707 .707 .707	
2.125, 1.25, -0.55, 0.00, 1.00, 0.00	
Stop	<i>Identifies the end of block two</i>