

Comparison of the function volume of PointCloud and PointCloud Pro (version 5.0)

FEATURE LIST	PointCloud	PointCloud Pro
Manage point clouds		
Insert point cloud (kubit PTC-format)	X	X
Load point cloud	X	X
Unload point cloud	X	X
Set current point cloud	X	X
Merge point clouds	X	X
Crop point cloud	X	X
Set parameters (average distance, noise)	X	X
Set grip position	X	X
Import		
Import point cloud (ASCII)	X	X
Import Leica HDS PTZ files	X	X
Import Riegl RiSCAN Pro rsp - project file	X	X
- point cloud		X
- oriented image		X
- orhto image	X	X
Reconstructor - import orhto image	X	X
Trimble RealWorks Survey - import ortho image	X	X
Sections		
Define slice	X	X
Shift slice	X	X
Change slice thickness	X	X
Define multiple slices	X	X
- parallel to UCS planes		X
- along an AutoCAD curve object	X	X
Define clipping box	X	X
Define section inside of a polygon	X	X
Define section outside of a polygon	X	X
Restore previous section definition	X	X
Section manager	X	X
- show/ hide sections		X
- create new sections	X	X
- colour sections	X	X
- export sections	X	X
- conjunction of sections	X	X
- sorting	X	X
- load/save/copy section definitions	X	X

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Settings to display performance	x	x
Modify display style of point clouds		
Show/Hide Bounding Box of point clouds	x	x
Show/Hide grip of point clouds	x	x
Modify point size	x	x
Digitizing tools		
Set elevation (from point)	x	x
UCS from plane		x
UCS from slice	x	x
Clash detection		x
Working with images		
Insert oriented image (kubit ORI format)		x
Insert raster image		x
Manage control points (define, import, adjust size, align, search)		x
Set UCS from view		x
Image orientation		x
Camera view and navigation		x
Modify display style of oriented images		x
3D Drawing with oriented images and surfaces (point cloud, plane, cylinder)		x
3D Drawing - Intersection point from 2 images		x
Modeling 2D		
Fit outline plan		x
Fit outline plan - with restrictions		x
Modeling 3D - Cylinder		
Fit cylinder		x
Draw cylinder		x
Connect cylinders with torus		x
with elbow		x
with cylinder		x

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Insert reducer		X
Intersection of cylinders		X
Center cylinder (to a reference cylinder)		X
Bend cylinder (to a reference cylinder)		X
Explode cylinder to axis line		X
Explode cylinder to an AutoCAD 3D solid		X
Create pipeline		X
Modeling 3D - Plane		
Fit plane		X
Fit plane - with restrictions		X
draw plane		X
Modify plane - Extend (2 planes)		X
Modify plane - Intersection line (2 planes)		X
Modify plane - Intersection point (3+ planes)		X
Modify plane - New rim		X
Modify plane - Modify rim		X
Activate point cloud for Free Edition	X	X