



# DOT PRODUCT leg to STL

The simple workflow from .DP point cloud to Rhino mesh using Autodesk ReCap & MeshLab.

Presented by:



**Step 1:** Bring the .DP file straight into Autodesk [ReCap](#):



To import DP files directly, you must have the DotProduct plugin for ReCap, available [here](#).

**Step 2:** Crop and clean the point cloud in ReCap

**Step 3:** Export to .PTS format from ReCap



**Step 4:** Change the .PTS file extension to .ASC

**Step 5:** Open the file in [MeshLab](#)

**Step 6:** MeshLab command:  
Filters>PointSet>ComputeNormalsForPointSet

**Step 7:** MeshLab command:  
Filters>PointSet>SurfaceReconstruction:Poisson



If the mesh must be flipped:

Filters>Normals, Curvature and Orientation...>InvertFacesOrientation

**Step 8:** Export to .STL (or .PLY, .OBJ., etc.)

**Step 9:** Open the file in [Rhino3D](#):

