



AutoDesk Guide Series: Volume 5.1, OMAX

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What is OMAX?

- OMAX is a company based in Kent, Washington.
- They make water jetting machines, which are used to make plates and custom parts
- The machines use a program called OMAX Layout, which is what guides the water jets to where they need to cut the part.
- This guide is going to explain how to use Layout, as well as how to get to the files needed for it.

Step 1: Get the face layout

I. If the part is in Sheet metal, select



- I. Highlight your face, and select Export Face As
- II. Make sure your export is a .dxf
- III. Open in OMAX (through file transfer, program on computer, etc)




Step 2: OMAX file prep

- I. Open sketch.
- II. Click Generation II, make sure the sketch matches with the autodesk parts (update preview if needed).
- III. Click Finish.
- IV. Click Clean.
- V. Select Remove unnecessary dots.
- VI. Click OK.



Step 3: Path and Quality

- I. Right click on Quality.
- II. Select All.
- III. Select 3 and make sure the sketch turns pink.
- IV. Create a tab and set the Quality to 3.
- V. Clean the sketch again.
- VI. Right click on Lead i/o.
- VII. Select Create Auto Path




Step 4: Finalizing Path

- I. Select Path.
- II. Click on the starting point.
- III. Make sure the holes have the error zone on the inside and the total plate has the error zone on the outside.
- IV. Click Save.
- V. Double check you have Saved, then Save.




Step 5:Nesting

- I. Open the project in OMAX make.
- II. Select Nest.
- III. Select rows and columns to create the correct amounts of parts in the space you have.
- IV. Save.
- V. Export all files to a flash drive.
- VI. Take to Trap's.