

## QuickCAM PRO – Use Custom Boundary to force the machining order of certain parts...

After choosing the machining plan, select **Custom** boundary:

**Edit parameters for this plan**

Description: Waterline - Z Level contour passes

**Tool Data**

Tool: T:2 - D:1.500mm - Slot Drill 1.5 mm

Step Over: 0.225 mm

☒ Create vertical step overs

Step Down: 30.000 ☐ Adaptive Stepdown

Feedrate: 3500.000 Spindle Speed: 3000

**Machining Boundary**

	Minimum	Maximum
X	22.000	46.860
Y	33.000	58.581
Z	-17.000	0.000

Set Boundary to .....

**General Machining**

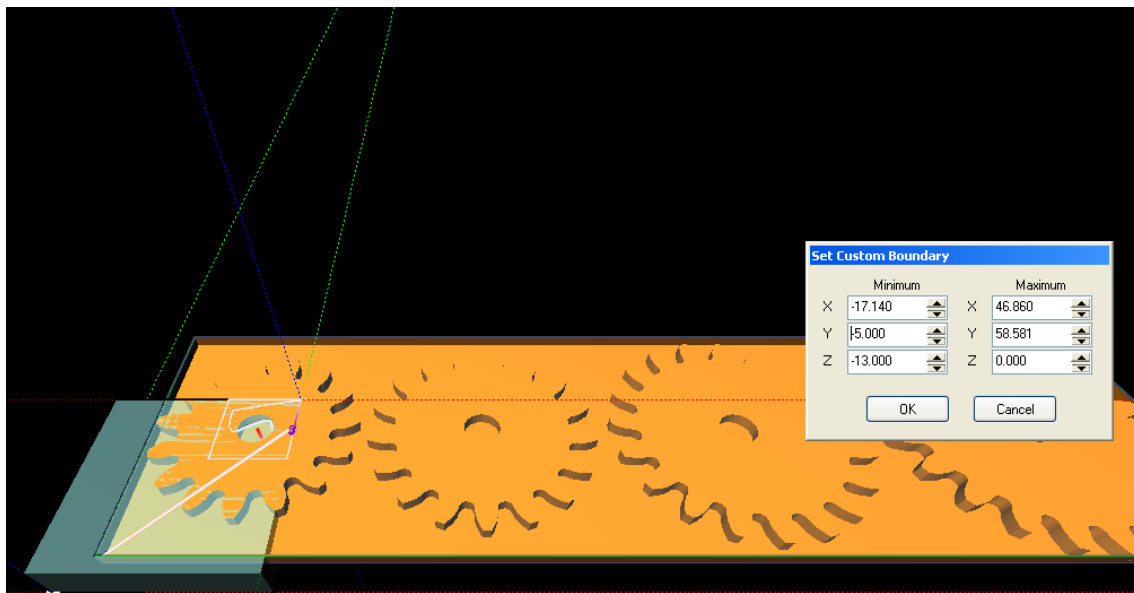
Safe Height: 5.000 Raster Angle: 270

Finishing Amount: 0.000 Ramp In Radius: 5.000

Use contact area only ☐ Parallel pencil count: 5

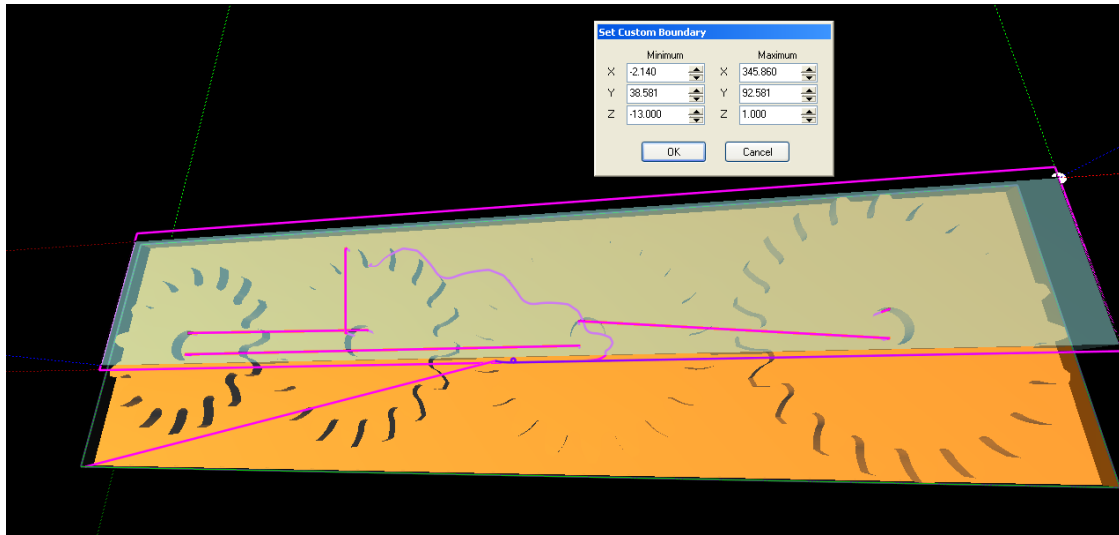
Milling Style:  
☐ Climb Milling  
☐ Conventional  
☒ Bi-Directional

Adjust the **Set Custom Boundary** values so the transparent box encloses the area you want to machine:

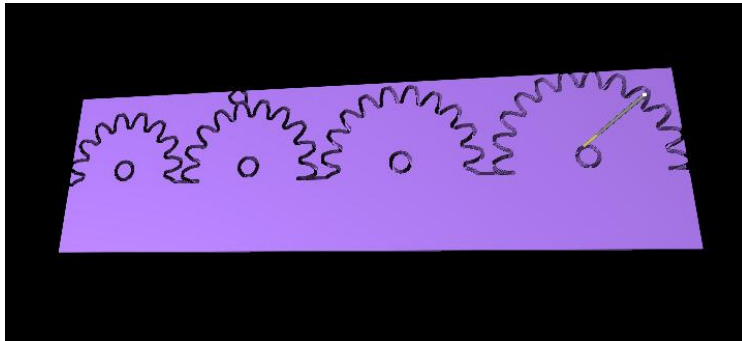


Normally you would cut the above part out in one plan, however, if you are cutting all the way through a material, then you want to be sure that the inner parts are machined first, otherwise the part may drop out before it has a chance to machine them.

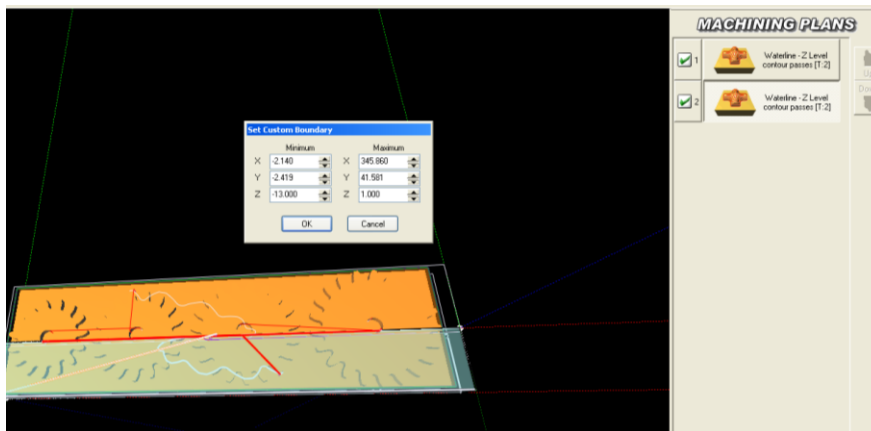
Press ok, and the only area to be machined, will be within those limits:



1<sup>st</sup> Stage:



Then add another machining plan with another custom boundary:



And this 2<sup>nd</sup> plan will be machined last, hence allowing the holes to be cut before the outer gears.

