

Tool XY Interface Diagram



Created by:  
Joshua Vasquez

last edited:  
1/6/2020

SCALE: 1:3.5

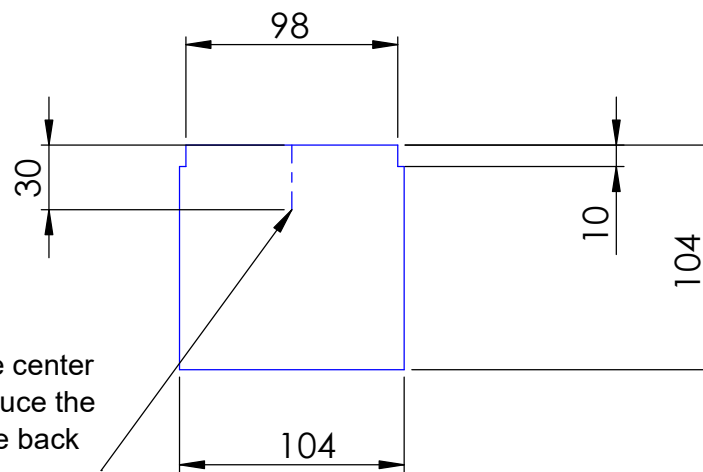
SHEET 1 OF 2

This footprint shows the XY space available for installing a custom tool.

When designing custom tools, a tool may take up the space specified below without interfering with the build plate volume and without colliding with other tools provided that:

A: Tool active centers (nozzles, spindles, etc) must remain within 30mm from the carriage coupling plate.

Increasing the location of the tool active center beyond 30mm is possible, but it will reduce the maximum build volume starting from the back of the machine.



Dimensions of these regions are driven by constraints from the frame geometry (see dimensions on the previous page), not from a desired total number of tools. Any number of tools (usually about 4) may be added provided that the sum of tool widths does not exceed 409mm.

### Tool Max XY Footprint



Created by:  
Joshua Vasquez

last edited:  
1/6/2020

SCALE: 1:3.5

SHEET 2 OF 2