



Maintain 3 feet [ 915 mm ] clearance to the nearest obstruction around all sides of machine perimeter for maintenance access


## B \& C axis Travel



B Axis Tilt limits

Isometric view of $B \& C$ Axis gimbal head for visual reference


## X\&Y-Axis Clearance at B90 with C at 0.90, -90, and 180

## Notes -

The schematic shows the $\mathrm{B} 90^{\circ}$ work envelope with no tool in the spindle.
Depending on the part size and how many faces require machining, the part may need to be centered or offset to one side of the table.

Subtract (the longest tool length required on each side of the part) + (clearance) from the travels shown below to determine the maximum size workpiece based on your tooling requirements



Tool Changer and Z Travel


## NOTE- Spindle must be empty before Powerup/Restart is performed or the B axis may crash the tool changer



In addition to the tool changer interference zone, the machine has restricted zones between the gimbal head and fixed machine elements
When Setting $408=1$ the interference zones account for the tool length based on its Z geometry in the offset table When Setting $408=0$ the tool length is not considered in the interference zones

## Potential interference at maximum $Z$ travel with $Z$ axis casting




