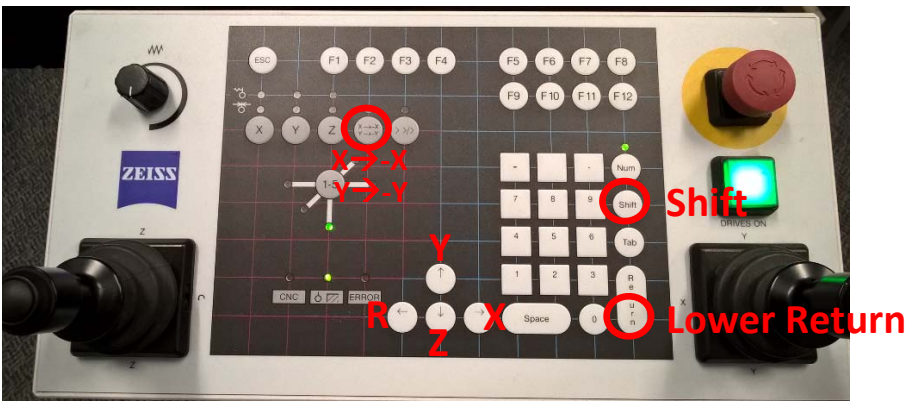# Calibrating Joysticks

To calibrate the X joystick

- Press "Shift" and "Lower Return" at the same time, hold them down for 1 second, then release them both
- Verify the light above "X→-X/Y→-Y" is blinking or menu is visible on screen, this confirms that you are in service mode.
- Press the "→" to select the X joystick
- Press "Lower Return" to set the zero point of the X joystick
- Deflect & hold the X joystick to the negative direction (left) press "Lower Return" to set the negative set point
- Deflect & hold the X joystick to the positive direction (right) press "Lower Return" to set the positive set point
- Let go of the X joystick so it is in the zero point again and press "Lower Return" to set the zero point & exit
- Verify the function of the joystick

To calibrate the Y joystick

- Press "Shift" and "Lower Return" at the same time, hold them down for 1 second, then release them both
- Verify the light above "X→-X/Y→-Y" is blinking or menu is visible on screen, this confirms that you are in service mode
- Press the "↑" to select the Y joystick
- Press "Lower Return" to set the zero point of the Y joystick
- Deflect & hold the Y joystick to the negative direction (down) press "Lower Return" to set the negative set point
- Deflect & hold the Y joystick to the positive direction (up) press "Lower Return" to set the positive set point
- Let go of the Y joystick so it is in the zero point again and press "Lower Return" to set the zero point & exit
- Verify the function of the joystick

To calibrate the Z joystick

- Press "Shift" and "Lower Return" at the same time, hold them down for 1 second, then release them both
- Verify the light above "X→-X/Y→-Y" is blinking or menu is visible on screen, this confirms that you are in service mode
- Press the "↓" to select the Z joystick
- Press "Lower Return" to set the zero point of the Z joystick
- Deflect the Z joystick to the negative direction (down) press "Lower Return" to set the negative set point
- Deflect the Z joystick to the positive direction (up) press "Lower Return" to set the positive set point
- Let go of the Z joystick so it is in the zero point again and press "Lower Return" to set the zero point & exit
- Verify the function of the joystick

To calibrate the R joystick

- Press "Shift" and "Lower Return" at the same time, hold them down for 1 second, then release them both
- Verify the light above "X→-X/Y→-Y" is blinking or menu is visible on screen, this confirms that you are in service mode
- Press the "←" to select the R joystick
- Press "Lower Return" to set the zero point of the R joystick
- Deflect & hold the R joystick to the negative direction clockwise (left) press "Lower Return" to set the negative set point
- Deflect & hold the R joystick to the positive direction counterclockwise (right) press "Lower Return" to set the positive set point
- Let go of the R joystick so it is in the zero point again and press "Lower Return" to set the zero point & exit
- Verify the function of the joystick