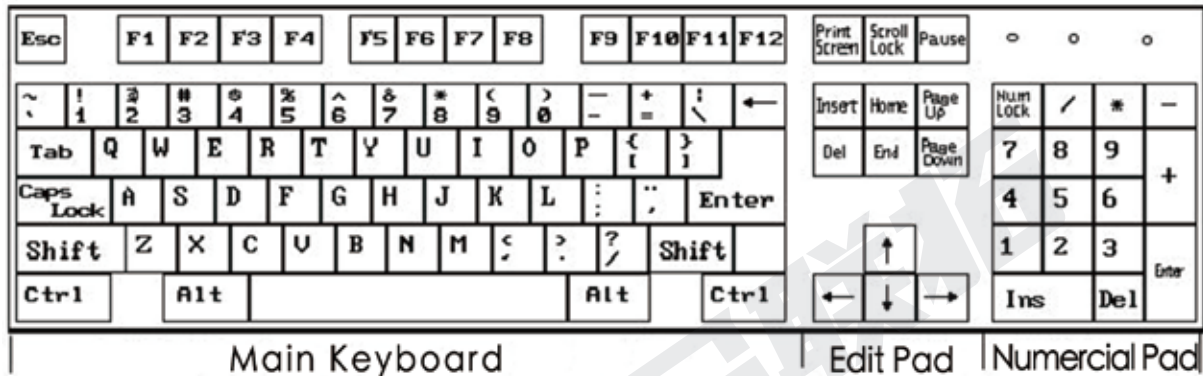


3.5 Keyboard Operation Methods

In the new version of 3.1, in order to supply more convenient operation options for customers, the users not only can use the controller Panel to operate, but also can use the keyboard and MPG. Here we describe the operation methods by keyboard.

Important: Please select the keyboard with USB connection, and with numerical pad. The following Figure is for your references:



Function	Keys on Keyboard	Operation Methods
X-	1: LEFT ARROW(←) 2: Numeric keypad '4'	1: X Axis Moves to Left Side; 2: Cursor Moves Left;
X+	1: RIGHT ARROW(→) 2: Numeric keypad '6'	1: X Axis Move to right Side; 2: Cursor Move right;
Y-	1: DOWN ARROW(↓) 2: Numeric keypad '2'	1: Y Axis moves to back side; 2: Decrease the numbers;
Y+	1: UP ARROW(↑) 2: Numeric keypad '8'	1: Y axis moves to forward side; 2: Increase the numbers;
Z-	1: PAGEDOWN 2: Numeric keypad '3'	1: Z Axis moves down; 2: In File and Param page moves down the selection;
Z+	1: PAGEUP 2: Numeric keypad '9'	1: Z Axis moves up; 2: In File and Param page moves Up the selection;
A-	Numeric keypad '1'	1: Decrease at A Axis
A+	Numeric keypad '7'	1: Increase at A Axis
Centering operation	F3	Used in conjunction with the MPG axis selection. Only when the MPG axis is selected as X or Y, the corresponding axis performs the centering operation

Function	Keys on Keyboard	Operation Methods
Goto Zero	1: F5 2: Numeric keypad '0'	Used in conjunction with the MPG axis selection. If the MPG axis is selected to be empty, the whole axis will goto zero. If the MPG axis is selected as X, the X axis will goto zero.
Zero	1: F6 2: Numeric keypad 'DEL'	Used in conjunction with the MPG axis selection.If the MPG axis is selected to be empty, the whole axis will be zero. If the MPG axis is selected as X, the X axis will be zero.)
Home	F7	The first press enters the HOME mode. In the HOME mode, press again to perform full axis HOME, or press the corresponding axis selection key, the corresponding axis perform HOME separately: HOME X-axis selection:'X' HOME Y-axis selection:'Y' HOME Z-axis selection:'Z' HOME A-axis selection:'A'
PROBE	F8	The first press enters PROBE mode and presses again to perform the PROBE operation
Manual mode switching	1: F10 2: Numeric keypad '*'	Same function of "Mode" in controller panel, shift among "CONT" 、 "STEP" 、 "MPG"
Jog distance adjustment	Numeric keypad "5"	#2020, #2021, #2022, #2023 can define the Jog distance. The Key is to shift among the 4 distance.
FRO adjustment	1: Main keyboard "F" 2: Main Keyboard "8"	Can define the F value as the current feeding speed,or cancel F value as the current speed (current speed set by G-code file)
SRO adjustment	1: Main Keyboard "S" 2: Main Keyboard "9"	Can define the S value as the current feeding speed,or cancel S value as the current speed (current speed set by G-code file)
Coordinate system Selection	1: Main Keyboard "G" 2: Main Keyboard "0"	Start a G-code file processing
START	1: SCROLL LOCK 2: Numeric keypad '-'	Pause a processing job.
PAUSE	1: PAUSE BREAK 2: Numeric keypad '+'	Shift among the coordinate system.
TRY CUT:	1: F11 2: Numeric keypad "ENTER"	When controller in Auto mode,Press it will enter into Try Cut mode,need to work with MPG.
Single-Stage processing mode	F4	The single-segment mode can be switched while the system is idle. After starting the machining in single-segment mode, the system executes one line each time the start button is pressed.
Focus TAB	1: F9 2: Numeric keypad '/'	Same function of "Shift" on Controller Panel.
Focus adjustment+	Main Keyboard "+"	Increase Numbers in controller system;
Focus adjustment-	Main Keyboard "-"	decrease Numbers in controller system;
Page switching	1: TAB 2: BACKSPACE	Same funciton as "Page" on controller Panel.
ToolPath display	F12	Display or cancel the ToolPath.
Uninstall U disk	Main keyboard 'DELETE'	Popup USB-Stick from Controller system.