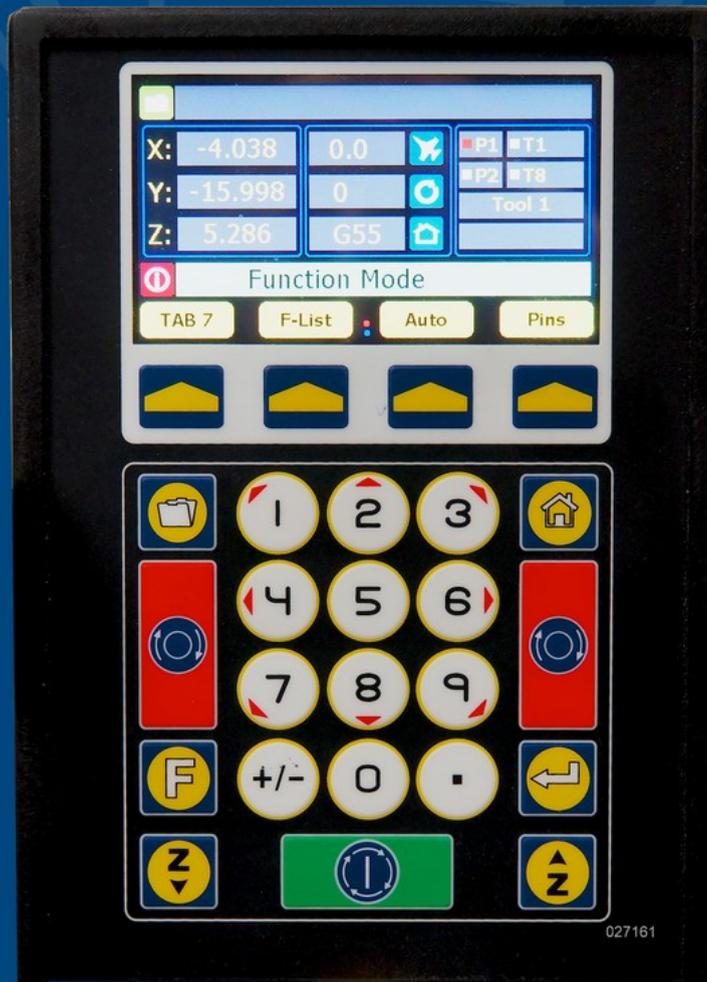




SmartConsole



The SmartConsole



Use this supplemental documentation
in conjunction with the AXYZ CNC Router Manual.

Version 1

November 23rd 2015

Original Instructions in ENGLISH



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The Console

Consists of two major components

The Functional Display

View information and select modes.

The Keypad

Use these keys to operate the machine.



Orientation

By default the console is oriented with the right side of the table, also referred to as the machine's "Operating Position".

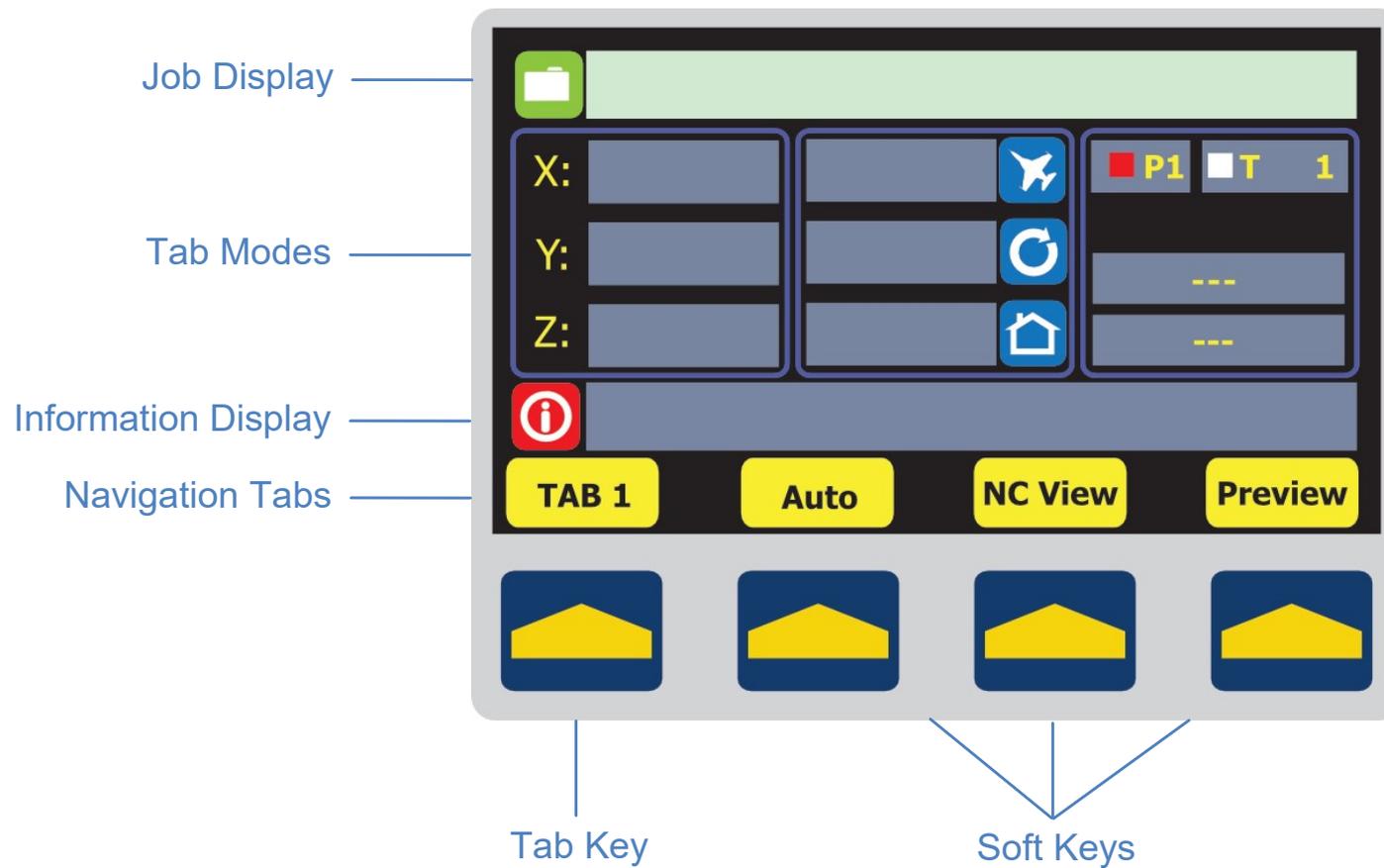
In this orientation the directional control keys coincide with the router's motion.



The Functional Display

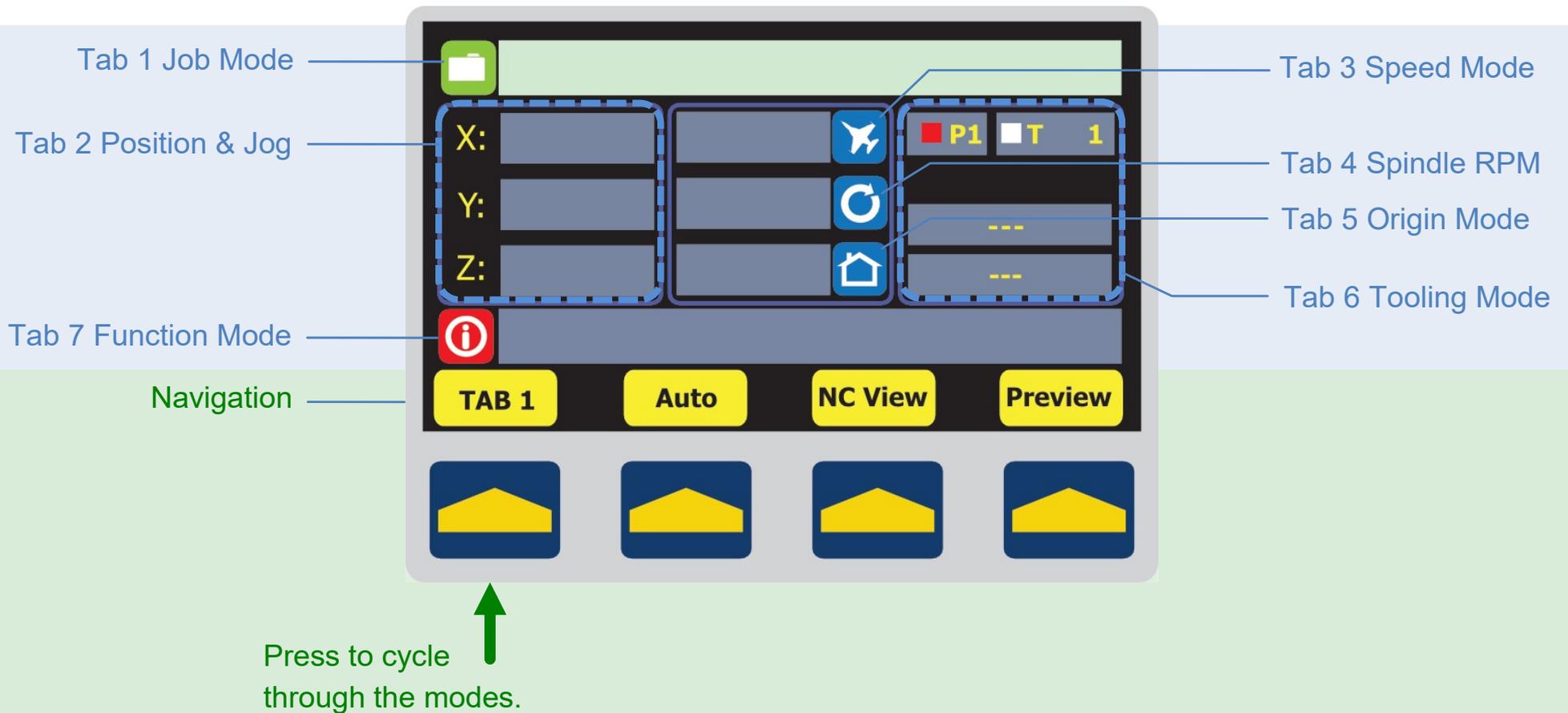
The function of the four soft keys will change depending on the selected Tab Mode.

The four navigation tabs denote the mode specific functions.

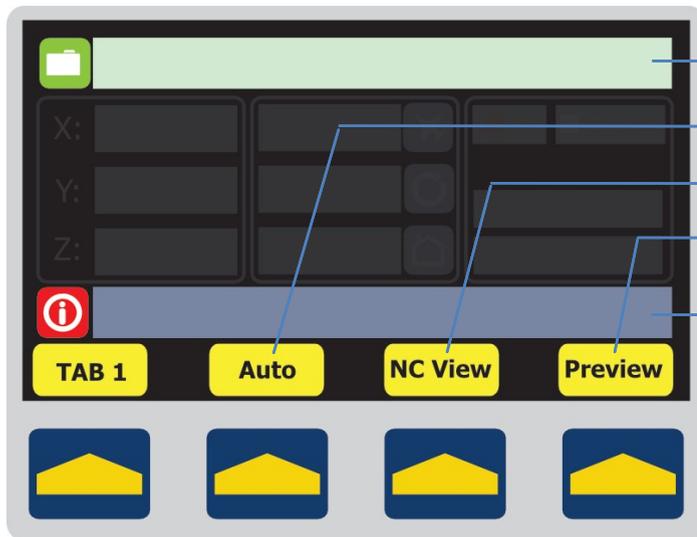


Tab Modes

There are 7 unique Tab Modes.
Use them to set various machine parameters.



Tab 1 Job Mode



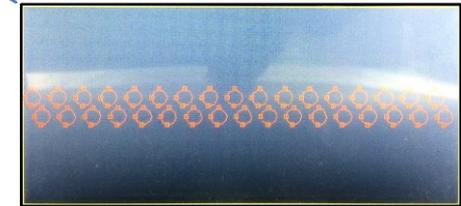
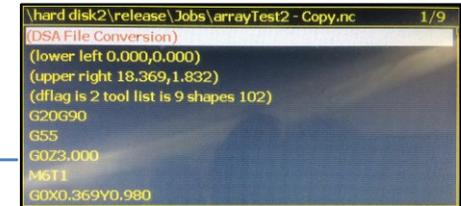
Displays the selected job file name.

Set automatic device activation.

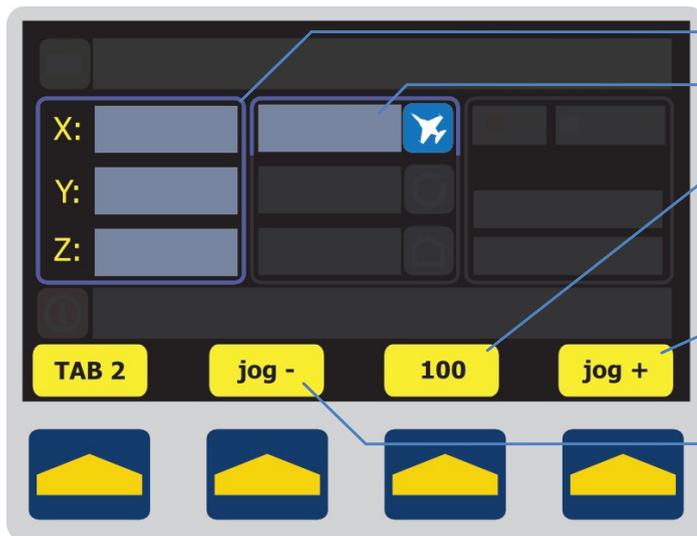
Display the contents of the NC file.

Display the shapes.

Displays information specific to your selection.



Tab 2 Position & Jog



Displays the coordinates of the selected device.

Displays the jog speed.

Use the numeric keypad to input the min/max jog speed.

Minimum = 0.5 inches or 12.7 mm per minute

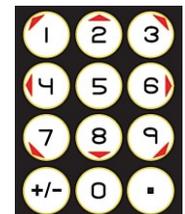
Maximum = 1000 inches or 25,400 mm per minute

Incrementally advance to select one of the four jog speeds.

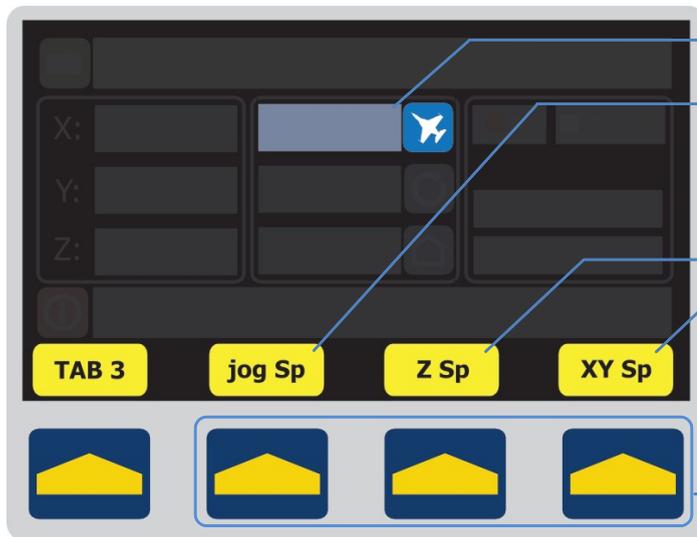
Step – Slow – Medium - Fast

Incrementally detract to select one of the four jog speeds.

Fast – Medium – Slow - Step



Tab 3 Speed Mode



Displays the relevant speed setting.

Use the keypad to input the min/max jog speed. *(Same as Tab 2)*

Minimum = 0.5 inches or 12.7 mm per minute

Maximum = 1000 inches or 25,400 mm per minute

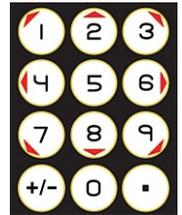
Set up the maximum machine operating speeds for the Z and XY axes.

Z axis minimum = 0.1 inches or 3.5 mm per minute

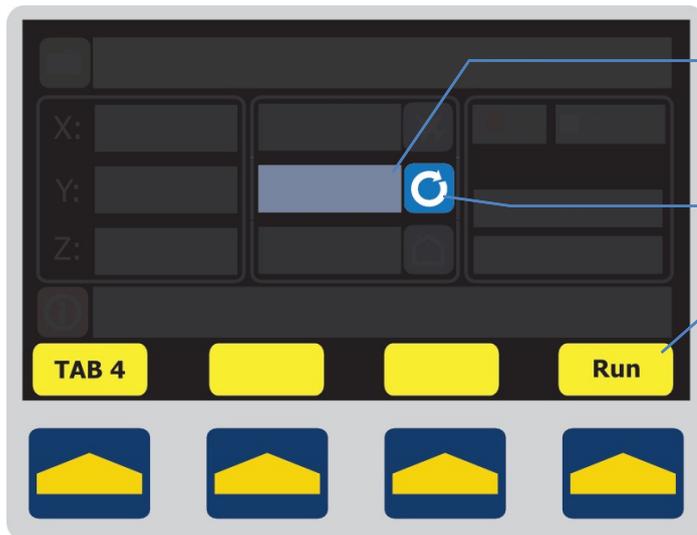
XY axis minimum = 0.5 inches or 12.7 mm per minute

All axis maximum = Dependant on your machine

Press one of the three soft keys to view/change the parameters.



Tab 4 Spindle RPM



Use the numeric keypad to input the min/max spindle speed.

Minimum = 0 RPM

Maximum = Dependant on the type of spindle

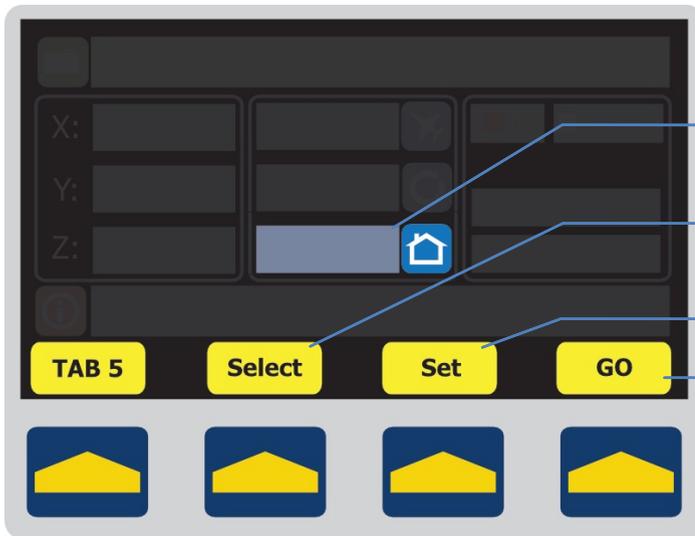
Displays the direction of the spindle's rotation.

Start the configuration sequence. Follow the prompts.

⚠ WARNING

The spindle may start unexpectedly during configuration. Keep hands, tools, and material clear of the rotating spindle. Coming into contact with the spindle could cause serious injury.

Tab 5 Origin Mode

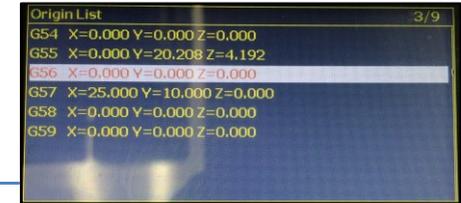


Displays the current origin.
G54, G55, G56, G57, G58 or G59

Displays a list of origins.
Use the arrow keys to navigate the list.

Change the coordinates of the selected origin.

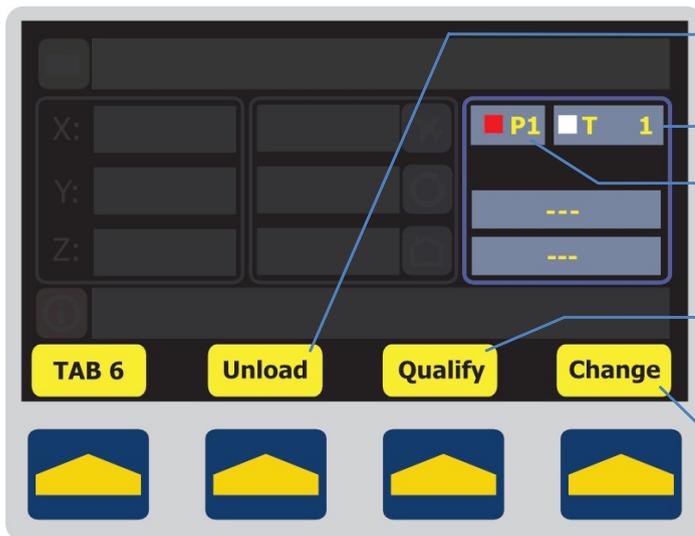
Move the active tool to the current XY origin.



⚠ CAUTION

Using these controls to set up the machine may suddenly activate devices and/or cause the gantry and carriage(s) to move.
To avoid injury, stay clear.

Tab 6 Tooling Mode



Unload the selected tool to the ATC.
Your machine must be equipped with an ATC.

Tool number

Position

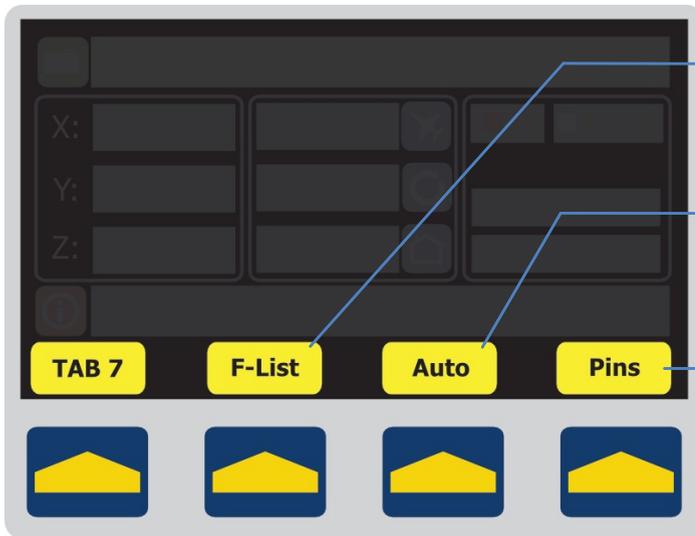
Determine the selected tool height.
Either manually or automatically, depending on your machine

Change the active tool.

NOTE

To cut properly, all tools must be qualified.
The tool map's max capacity is 999 entries.

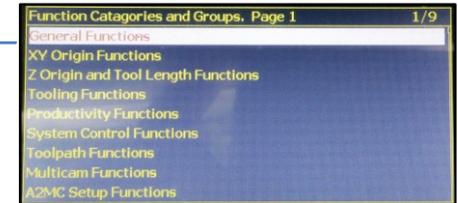
Tab 7 Function Mode



Displays a list of basic Functions.
Select a Function to view a brief description.

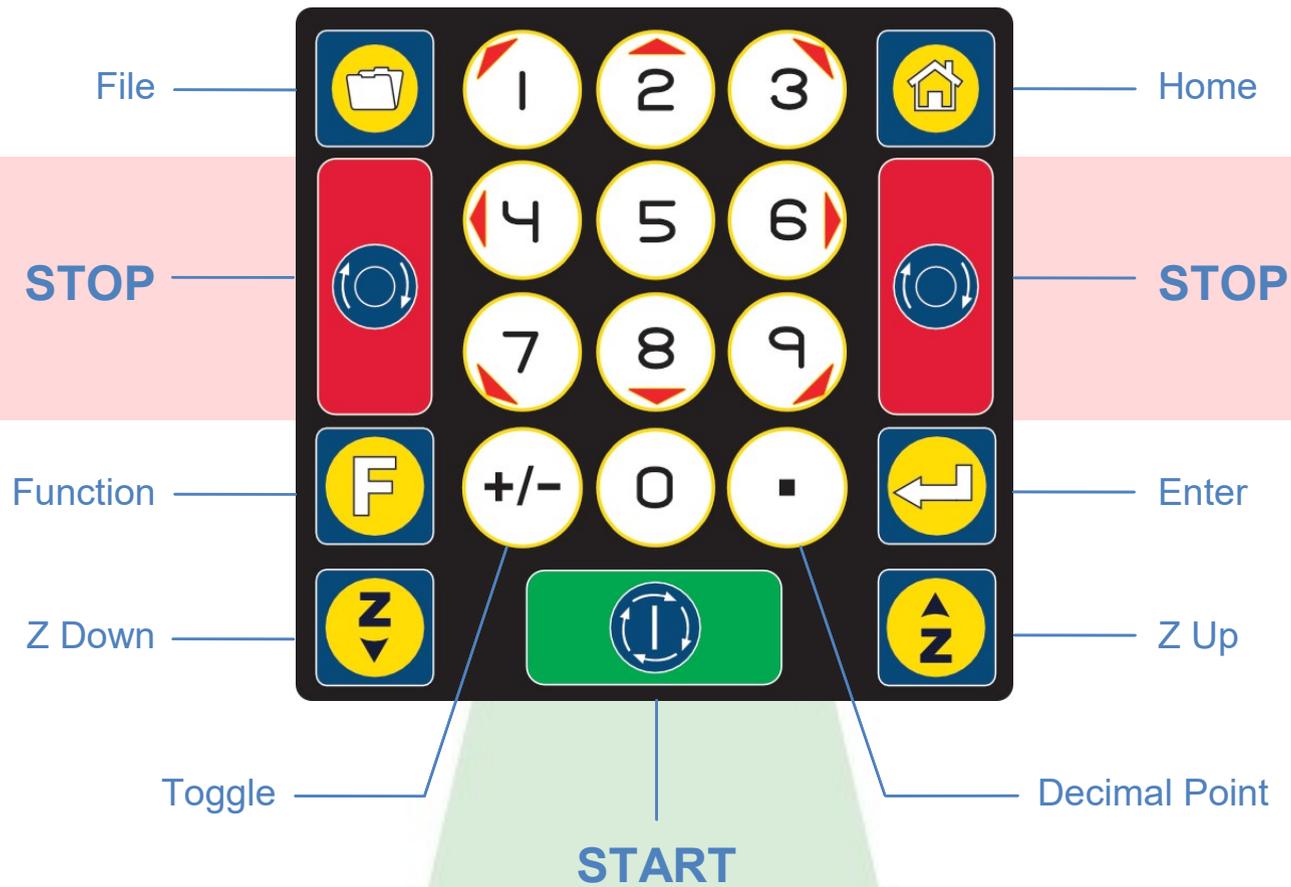
Set automatic device activation.

Raise or lower specific locating pins or set the pins to automatically activate.



The Key Pad

Use it in conjunction with the display to set up and operate the machine.



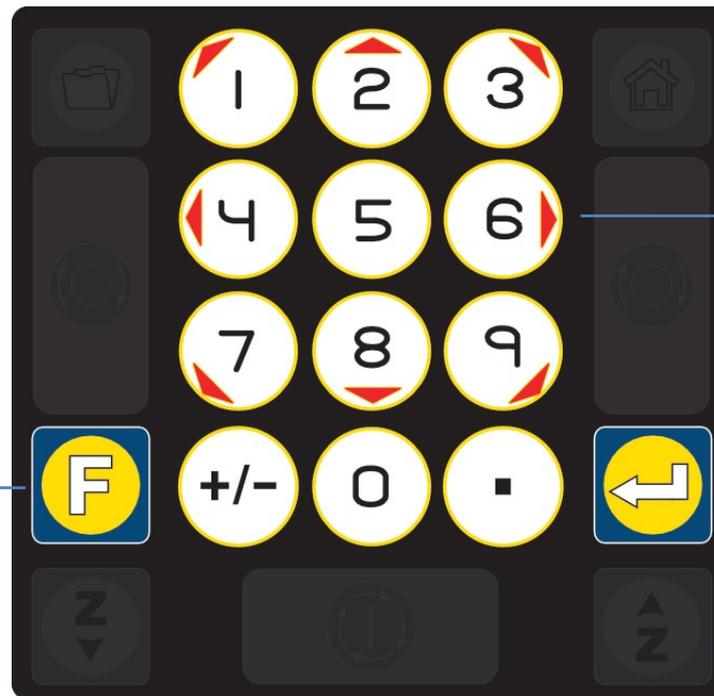
Function Keys

Perform various machine configuration tasks.

CAUTION

Activating some functions will move the gantry, carriage(s) and other tooling.
To avoid injury, stay clear.

1 Press to initiate the function mode

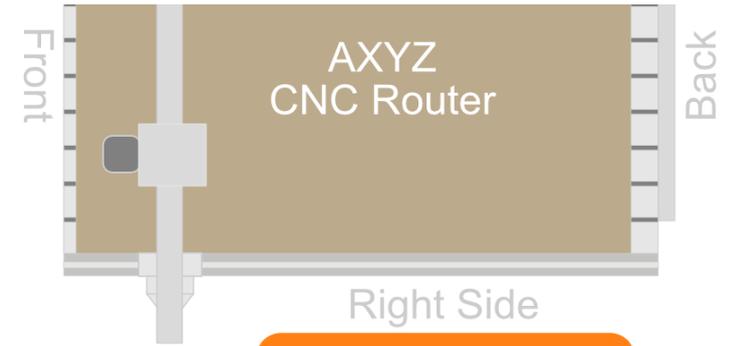


2 Key in the function number

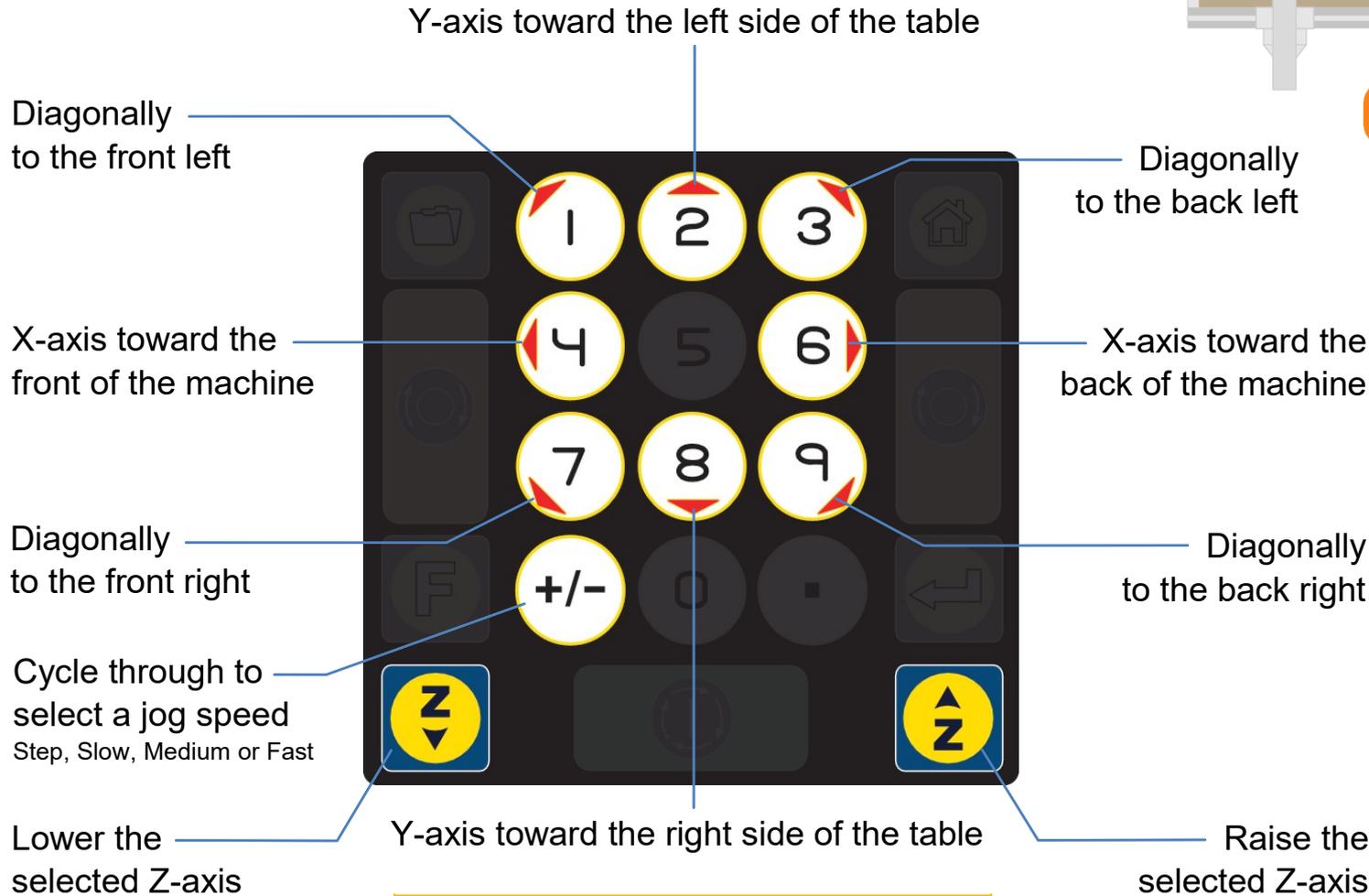
3 Activate the function

Jogging Keys

Use them to move the tooling in various directions across the table.



Operating Position



⚠ CAUTION

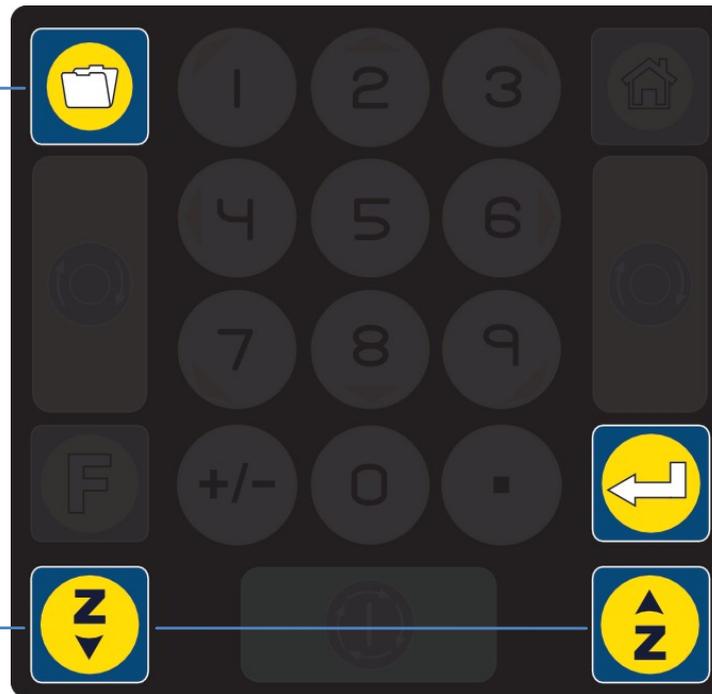
Pressing these keys will move the gantry, carriage(s) and other tooling. To avoid injury, stay clear.

Job Management Keys

Display a list of NC job files and select which one to run.

1 Display the list of job files

2 Scroll the list using these two keys



3 Press to select the current file to process

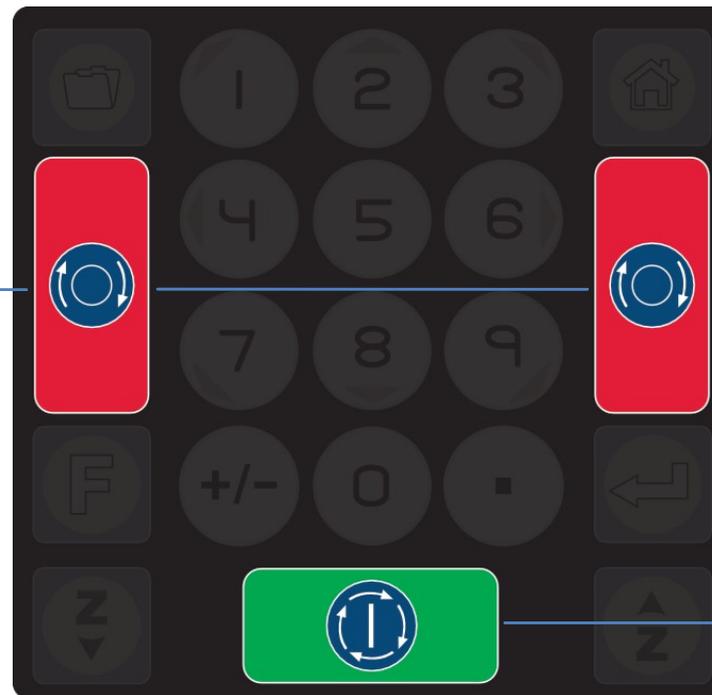
Control Keys

Use them to start and stop the job.

⚠ WARNING

Only qualified personnel shall operate this automated machine.
Failure to comply could cause serious injury.

Press either key to immediately STOP the machine motion and turn OFF the spindles, knives, and some other options.



Press this key to START processing the current job file.

SUPPORT

Contact WXYZ Customer Service:

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