



Keypad - How it Works and Troubleshooting Guide

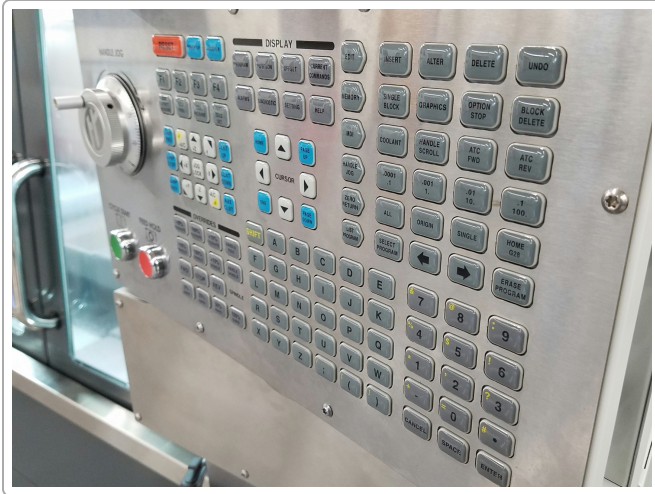
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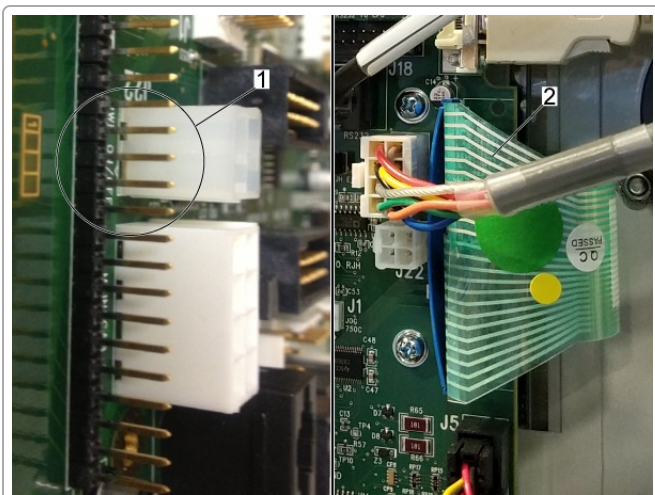
How it Works



The keypad works with the Serial Keyboard Interface (SKBIF) PCB to code the keys or buttons pressed by the user and convert them into a digital signal the Processor PCB can decode. Keypads for Mills are different from lathes as each machine family requires different function keys.

Symptom	Possible Cause	Corrective Action	Section
A keypad button sticks or does not actuate when pressed.	The flex cable from the keypad to SKBIF PCB is damaged.	Inspect the cables and the connections.	1
	The dome for a specific key fails to make a contact.		

Section 1



Symptom: A keypad button sticks or does not actuate when pressed.

Possible Cause: The flex cable from the keypad to SKBIF PCB is damaged.

Corrective Action:

If any of the 24 wires fail to make connection, or if they have an intermittent connection, the keypad will malfunction.

- Make sure the pins in the connector [1] on the SKBIF is in good condition.
- Make sure the flex cable [2] is in good condition. A broken trace or open contact will cause a row or column to be inoperative.
- Replace the keypad if the cable is damaged.