

Calmotion USBCNC-MAZ

USB Control for Mazak CNC's



The USBCNC disk reader control acts as an interface between commercially available USB flash memory and Mazak CNC machine tools. These include the T1, M1, T2, M2, M Plus, M32 and T32 that use CMT-I/O interface with Mazatrol files. The USBCNC-MAZ supports both G-code and Mazatrol file formats. This controller is an ideal replacement for Mazak cassette tape and floppy drive units

Machine tool files can be sent from CNC memory to the USB key, USB key to CNC memory or drip fed (DNC) from the USB key. The pendant mount kit contains all the necessary hardware to integrate a universal display including a water proof panel mount USB connector. The controller takes little space and is DIN rail mountable inside the pendant.

The USBCNC integral DNC software eliminates having to place a computer with DNC software in a machine shop environment where it can get damaged. Many job shops try to avoid this and place their PC's in a safer location. Doing so, however, increases the risk of communication errors and forces many operators to run at lower baud rates due to long cable runs. Positioning the USBCNC controller close to the control allows the machine to run at its maximum baud rate and eliminates an operator from having to run back and forth from PC to machine to begin machine operation.

Features

- USB directory listing
- DNC (drip feed) operation with single button repeat operation
- Mid-tape start with search function.
- Insert preparatory data prior to DNC operation
- Tape input for file loading into CNC memory
- Punch CNC memory file to USB key
- Baud rate configurable
- Data bit, parity and stop bit configurable
- Hardware and software flow control
- End of block character control
- Optional end of block delay
- Start of transmission character
- End of transmission character
- 4 line LCD display with adjustable backlight for easy viewing
- Rugged aluminum enclosure
- Industrial rated keypad and display

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