

# CNC Machine Tool Controller

This CNC machine tool controller displays current position, program number, feed rate, and spindle speed. It features a numerical keypad, function keys, and a display screen showing machine status.



## Overview

### Precision CNC Control System

This CNC machine tool controller provides a comprehensive interface for managing precision machining operations. It features real-time monitoring of coordinate positions across multiple axes, including X, Y, and Z, alongside critical operational metrics like feed rate, spindle speed, and tool offsets. Designed for efficiency, the system includes dedicated function keys for program editing, navigation, and machine status management, ensuring operators can maintain high productivity and accuracy.

## Technical Capabilities

### Monitored Parameters

- X, Y, Z coordinate positions
- Spindle speed
- Feed rate
- Tool offset data
- Part count tracking
- System run time

### Operational Metrics

**100 %**

Feed Rate Override

**100 %**

Rapid Traverse Override

## Interface Features

### Interface Components

Numerical Keypad, Alphabetical Keypad, Function Keys, Status Display Screen, Navigation Controls