

CIMCO Edit v7 User Guide

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Introduction

CIMCO Edit v7 is the latest version of the most popular CNC program editor on the market. With over 100,000 licenses distributed in the past few years, CIMCO Edit is the editor-of-choice for professional CNC programmers who demand a full-featured and reliable, cost-effective professional editing and communication tool.

Every aspect of CIMCO Edit v7 is new, from the multi-pane tabbed layout to the dynamic toolbars and menus. CIMCO Edit v7 also includes new and powerful tools such as an enhanced file compare utility, a reengineered graphical backplotter, and the new NC-Assistant programming tool.

- **Full-featured CNC editor**

CIMCO Edit v7 provides a comprehensive set of essential editing tools necessary for meeting the demands of modern CNC program editing.

It has no program size limitations and includes CNC code specific options such as line numbering / renumbering, character handling and XYZ range finder. It also features math functions including basic math, rotate, mirror, tool compensation, and translate. CIMCO Edit v7 offers all the functions expected from an editor including drag-and-drop text editing. Best of all CIMCO Edit v7 is completely configurable and is easily adapted to any existing CNC program editing environment.

- **Faster editing with NC-Assistant**

The NC-Assistant makes editing NC code faster and easier than ever. Point at any M or G code and the NC-Assistant will identify the code allowing you to modify values using an interactive interface linked to the CNC code. Input the desired values for any register and the NC-Assistant updates the CNC code automatically.

The NC-Assistant in CIMCO Edit v7 allows you to quickly insert and edit complex cycles and operations. CIMCO Edit v7 includes built-in cycles and macros for the most common operations such as program start, program stop and tool change. You can also record or create custom cycles and macros for the operations most common to your own specific setups and applications.

- **Graphical Backplotter**

The 3D Mill / 2D Lathe backplotter handles your 3-axis Mill and 2-axis lathe CNC programs with step and continuous forward and reverse plotting. Edit the CNC program and the update is automatically reflected in the plot. Analyze the plot with dynamic zoom, pan, rotate and measuring functions. CIMCO Edit v7 supports solid visualization of NC code with tool holder collision check and gouge detection. The Solid Animation function allows you to see the material being removed.

- **Intelligent File Compare**

CIMCO Edit v7 features a fast and fully configurable side-by-side file compare, allowing the user to quickly identify CNC program changes. The file compare identifies changed and deleted / inserted lines, but ignores trivial format changes like block renumbering and spacing. Differences are displayed one line at a time, all at once or printed side-by-side for offline review

- **CNC Communications and DNC**

CIMCO Edit v7 includes DNC capabilities for reliable RS-232 communications with a variety of CNC controls. With the DNC option you can send and receive CNC programs to multiple machines simultaneously from inside CIMCO Edit v7.

- **Support for Mazatrol Files**

View Mazatrol Program files directly in CIMCO Edit v7 instead of on the Mazak Control in the workshop. Quickly verify and review program changes with Mazatrol file-compare.

- **CNC-Calc 7 - 2D CAD add-in for CIMCO Edit v7**

CNC-Calc is a fully featured 2D CAD solution that works inside CIMCO Edit v7. This add-on is a fast and effective solution for solving problems with complex 2D geometry. Users can draw or import (DXF) 2D geometry, specify cut depths, lead-in, lead-out, and other tool path variables and quickly generate CNC code in ISO and other conversational formats for contours and drilling.